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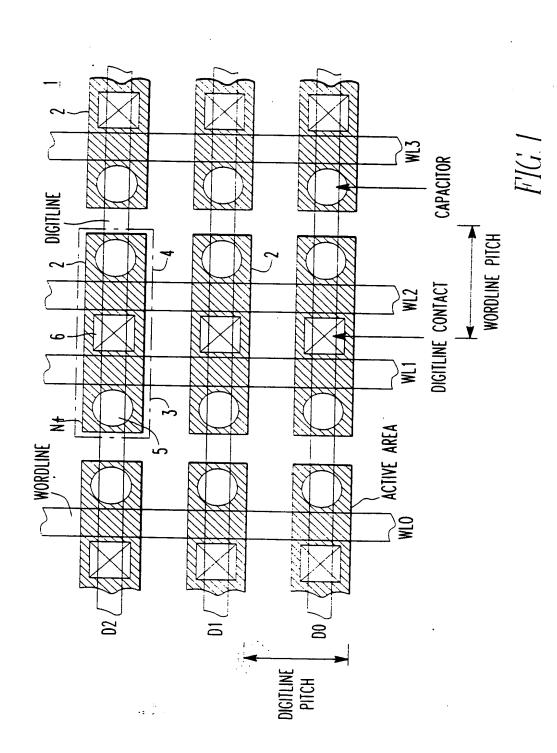
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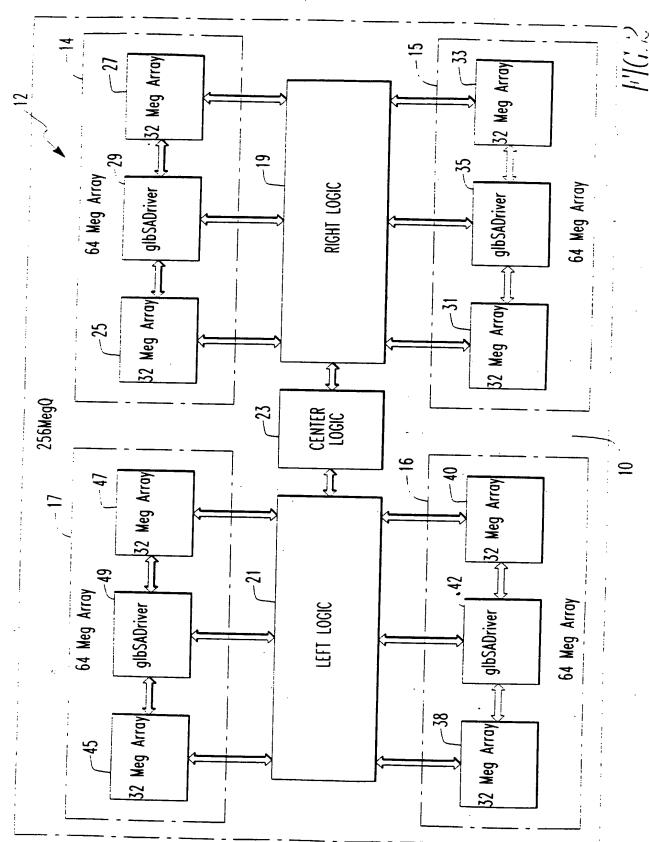
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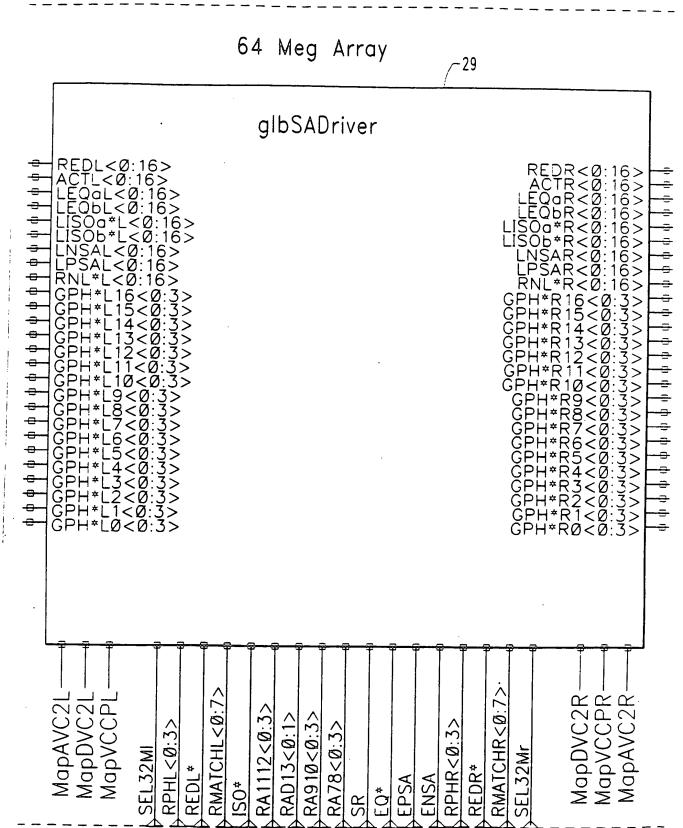


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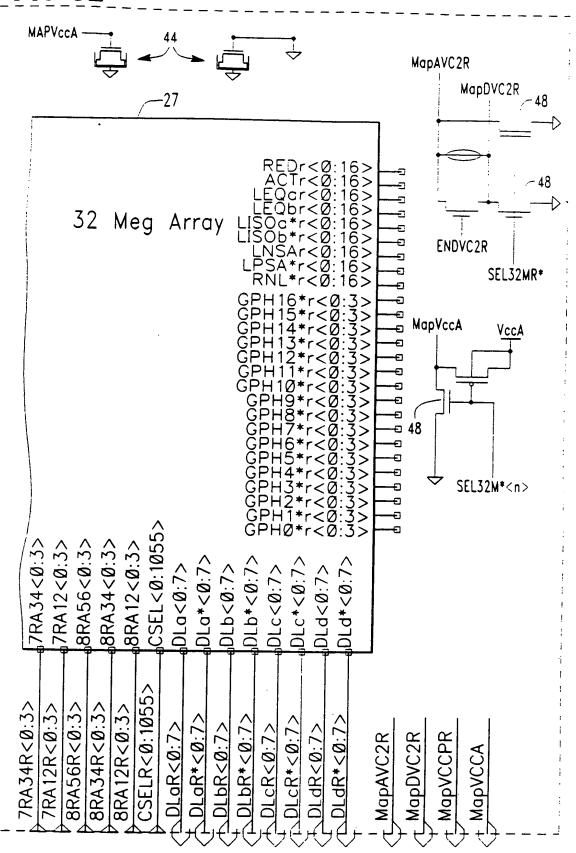
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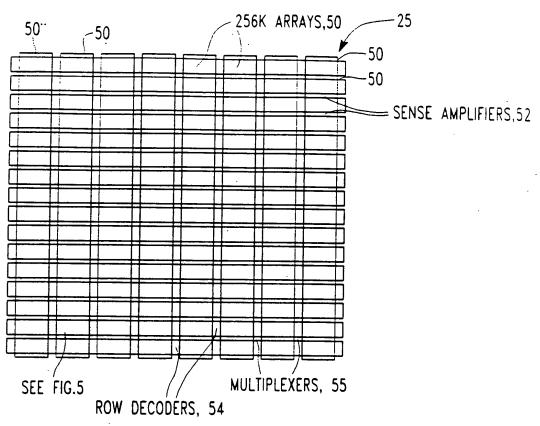


FIG. 4

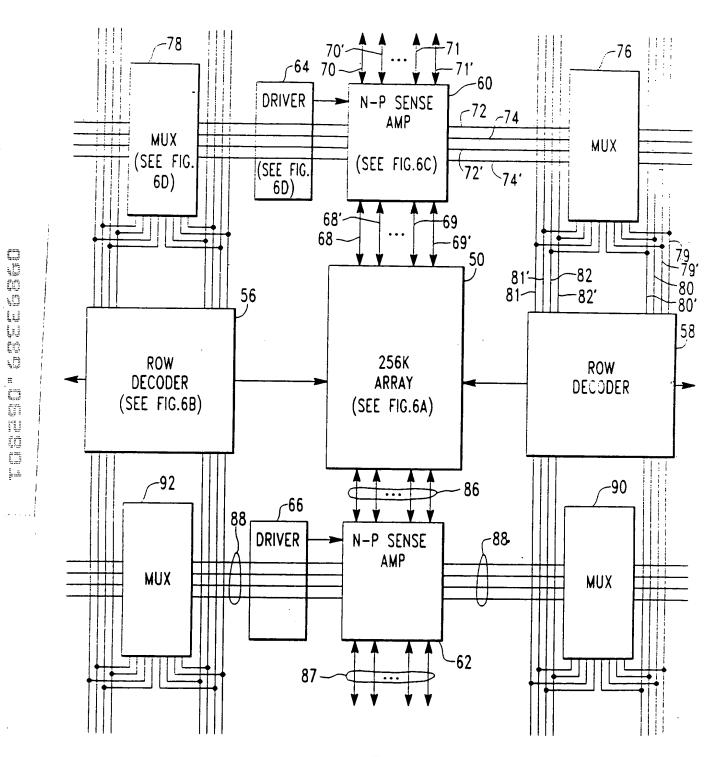


FIG. 5

TO N-P SENSE AMP 62

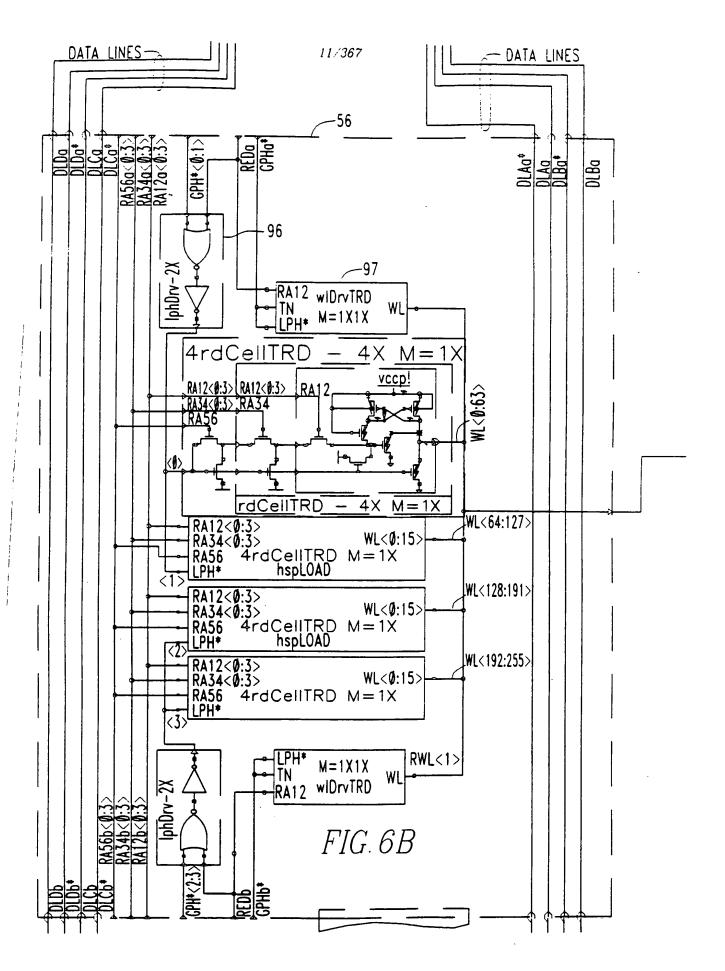
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68'

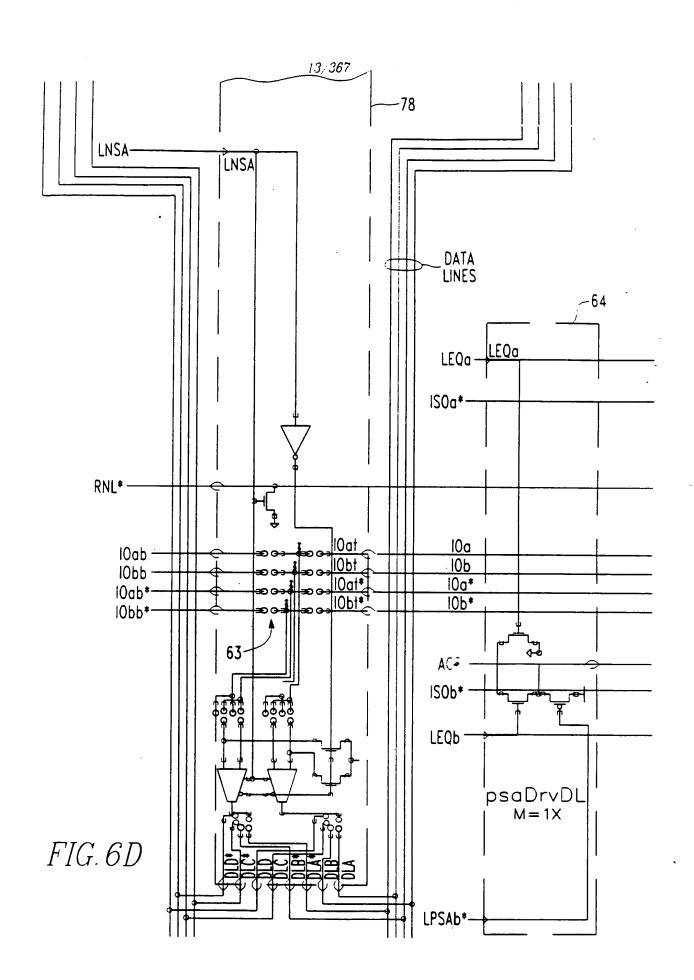
TO N-P SENSE AMP 60

-69 --69

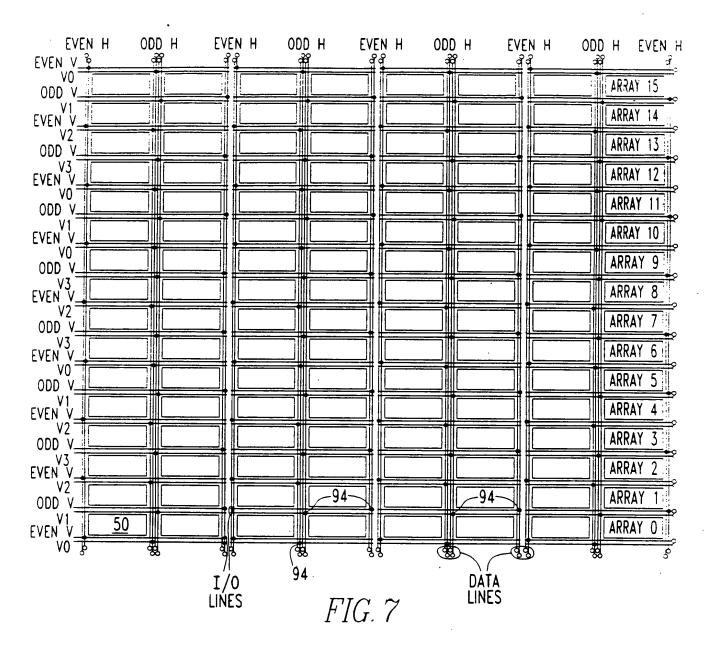


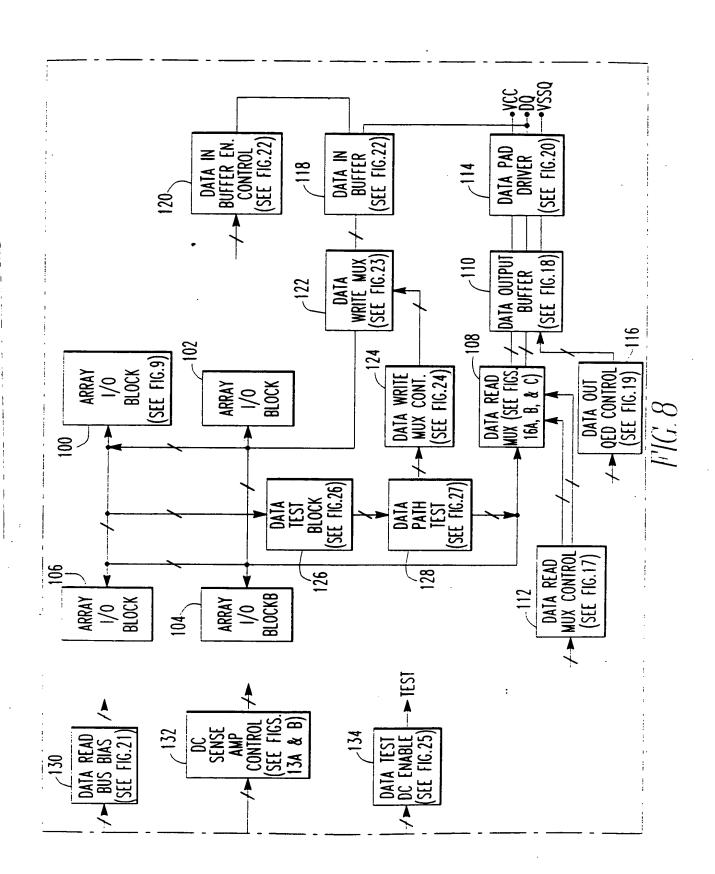
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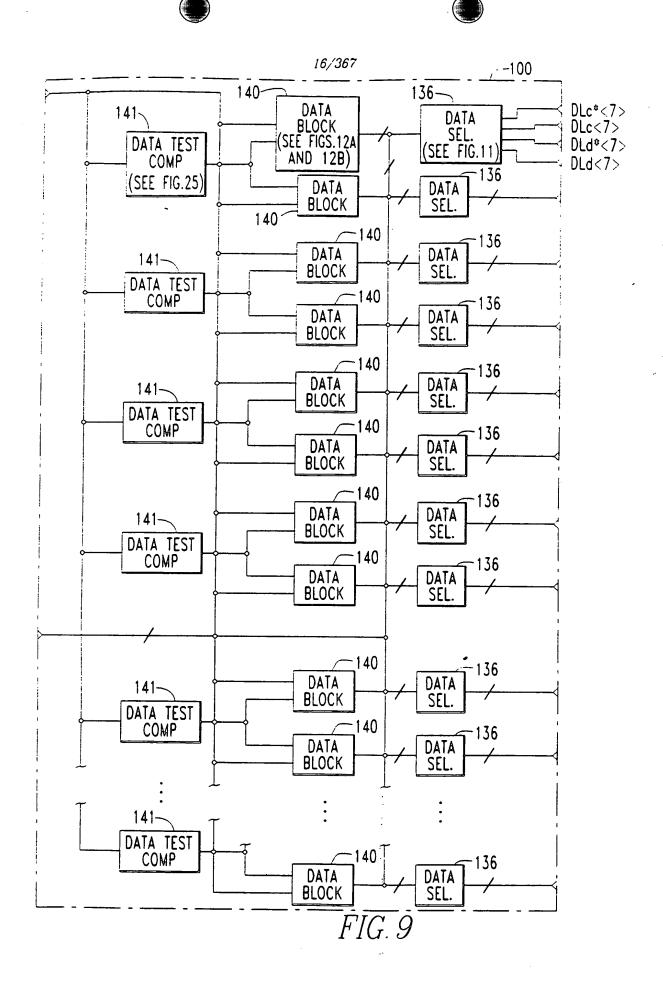
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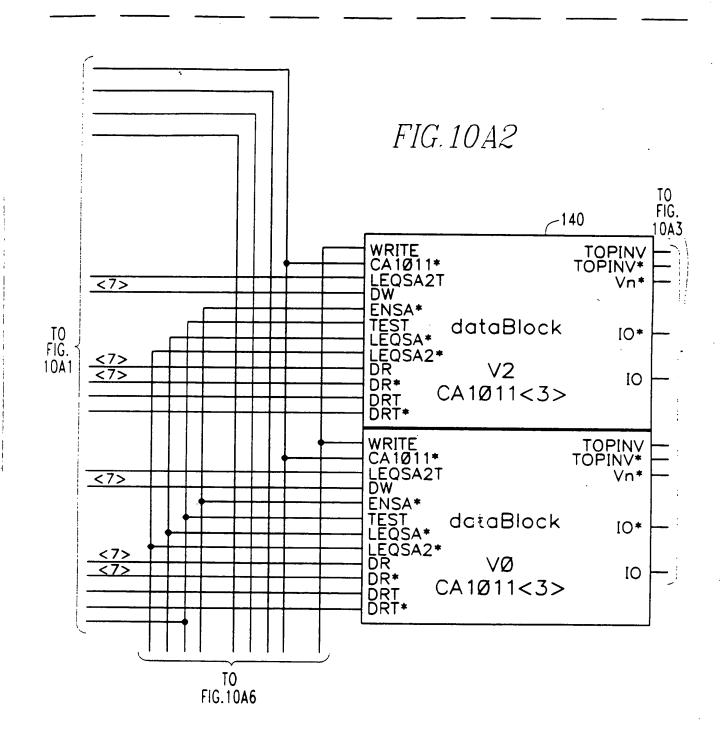






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FIG. 10A3

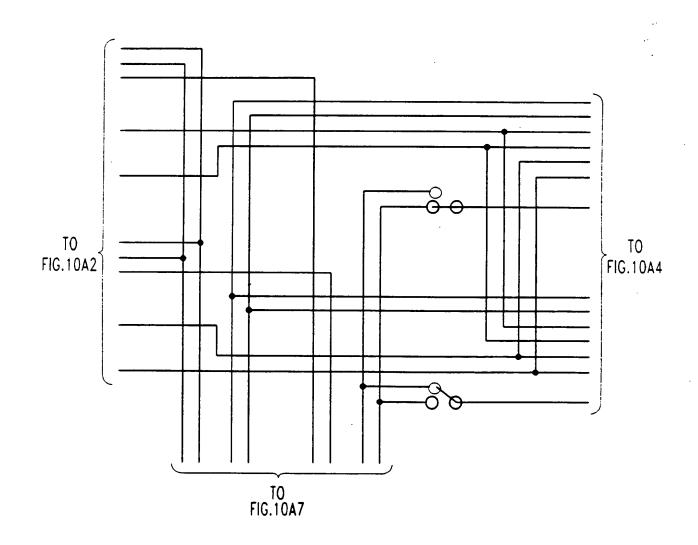
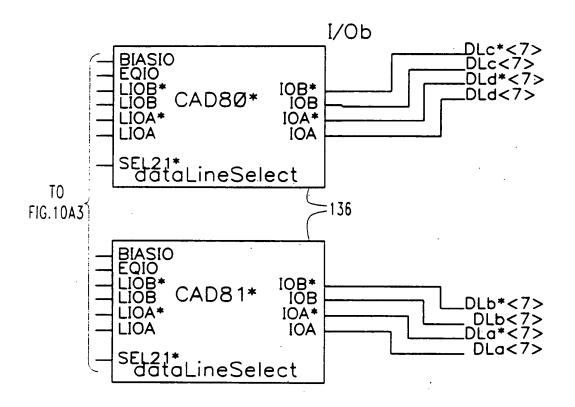




FIG. 10A4



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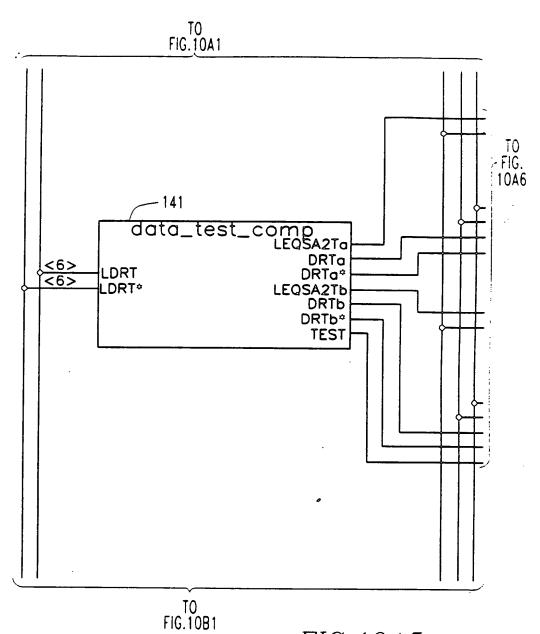


FIG. 10A5

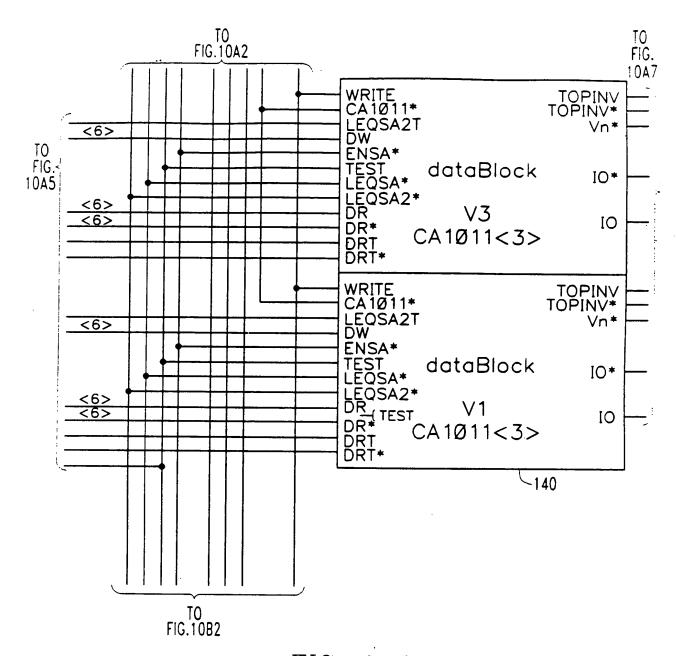
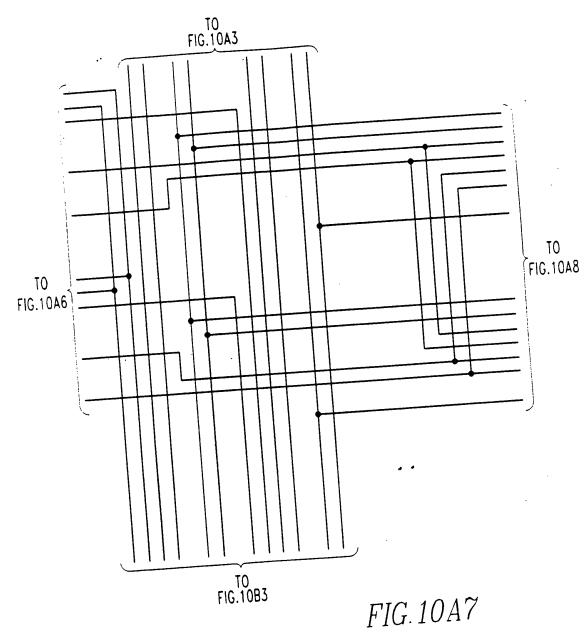


FIG. 10:A6



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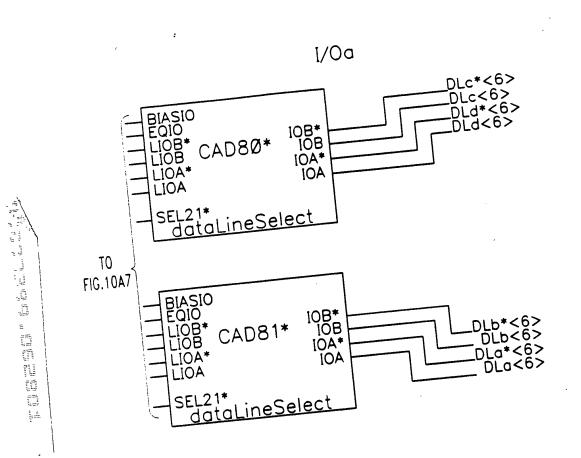
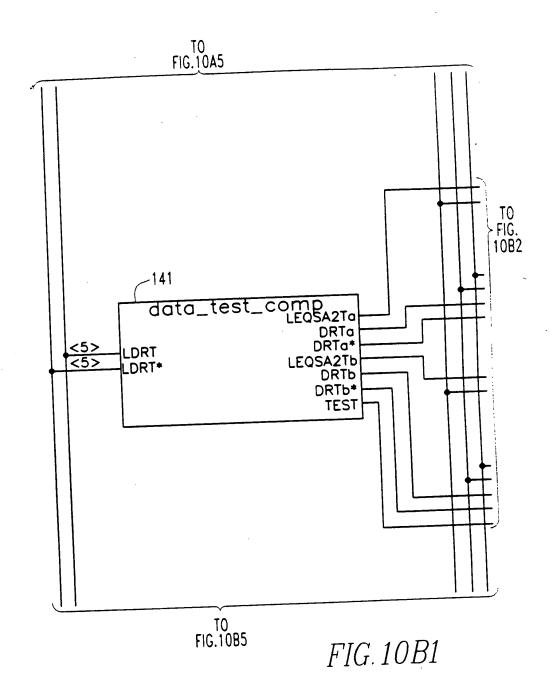


FIG. 10A8





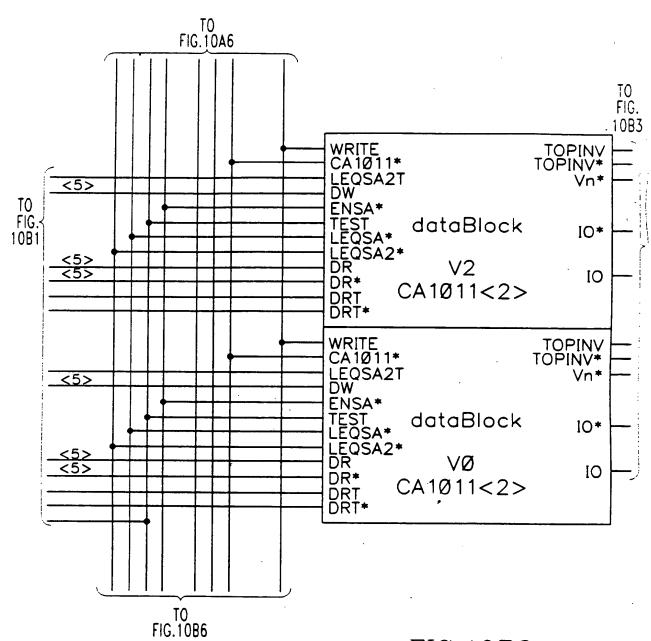


FIG. 10B2

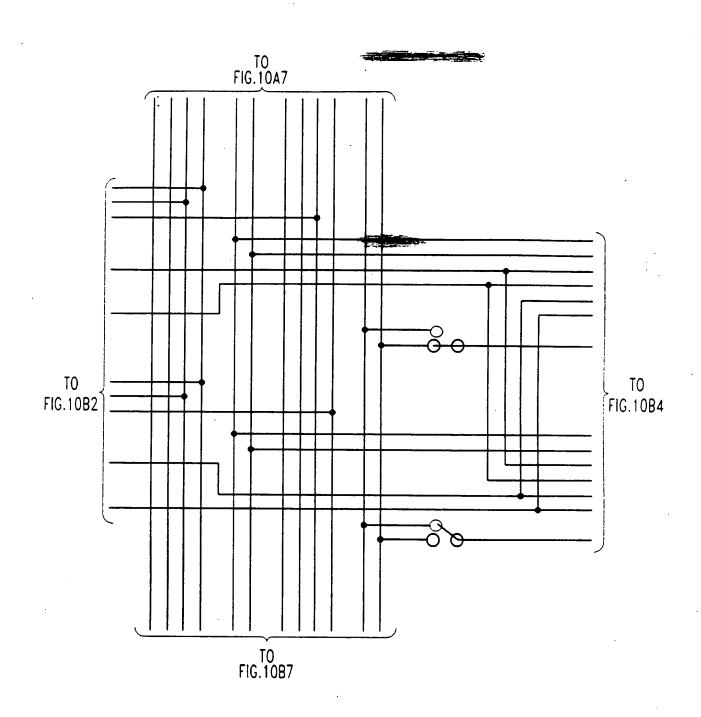
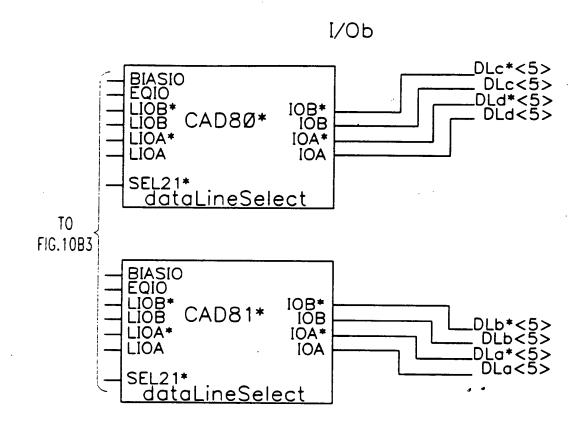


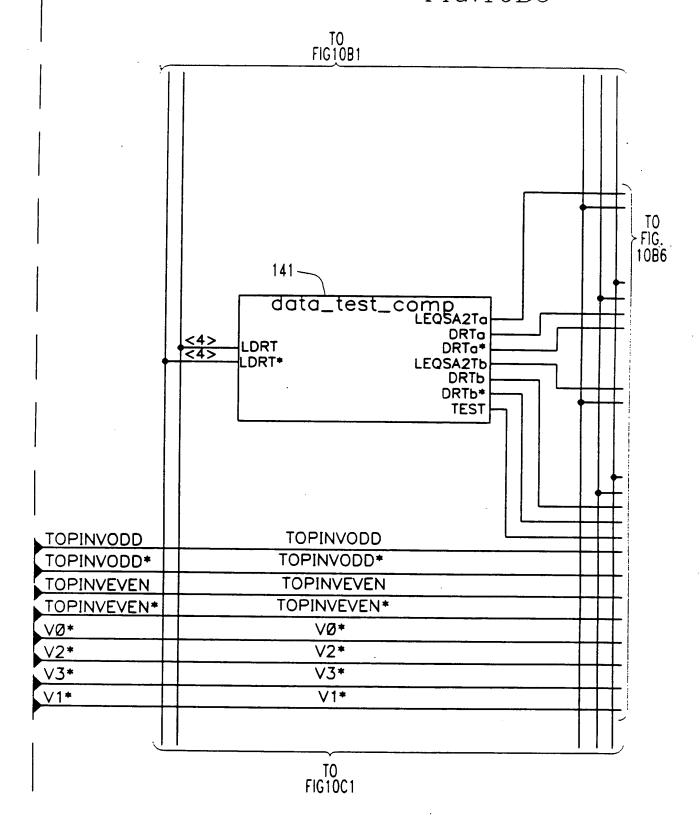
FIG. 10B3



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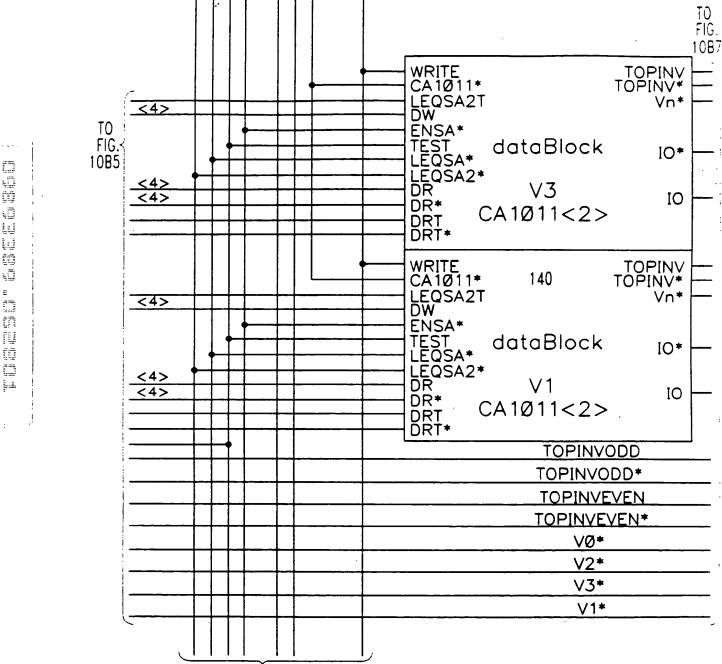
FIG. 10B4

FIG. 10B5



TO FIG. 10B2

FIG. 10B6



TO FIG. 10C2

FIG. 10B7

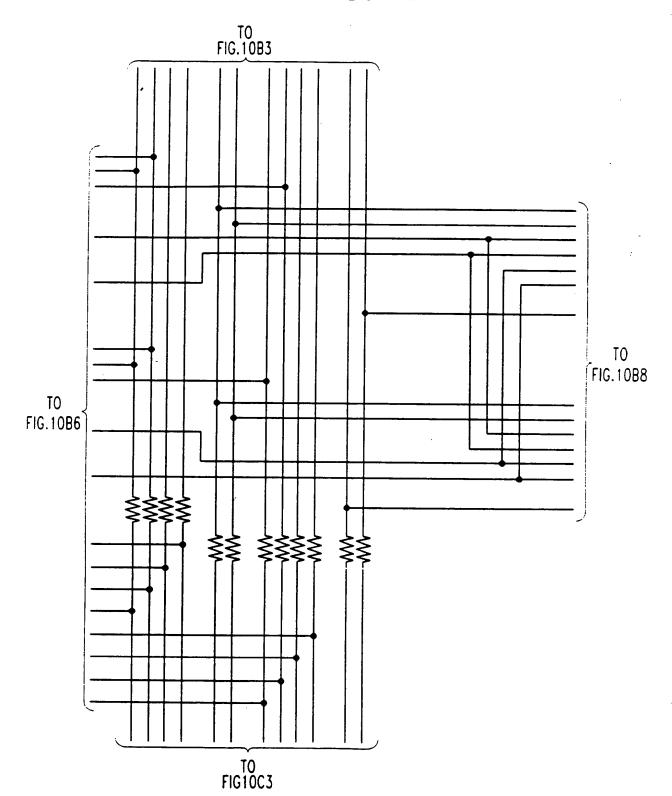
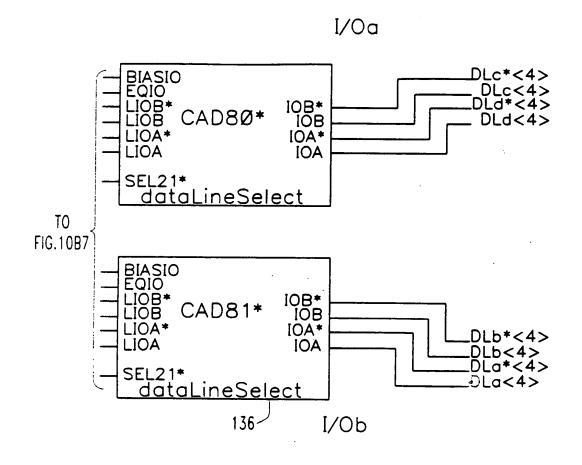


FIG. 10B8



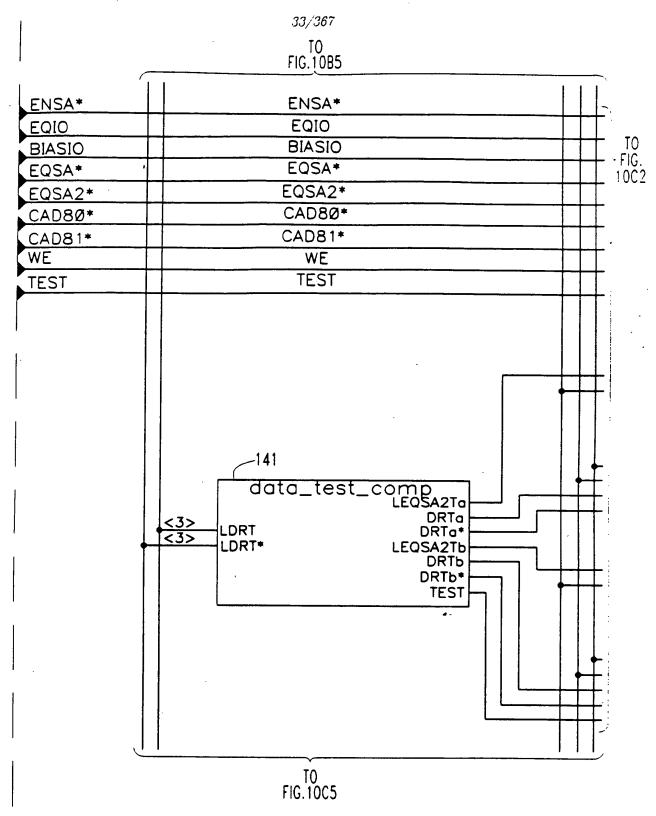


FIG. 10C1

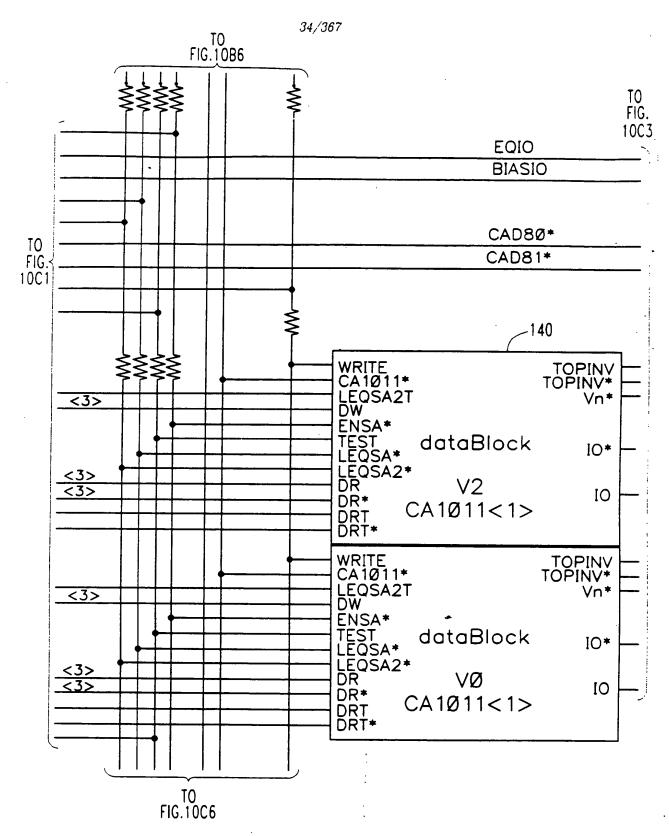
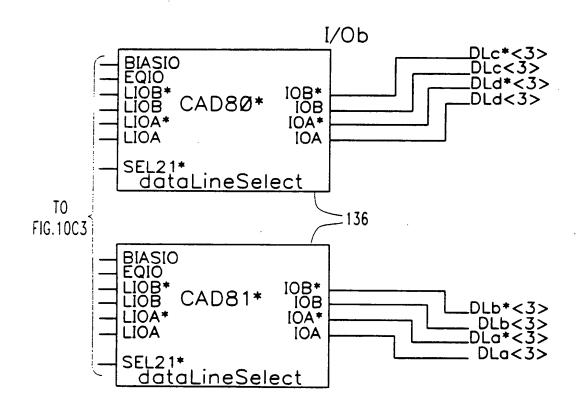


FIG. 10C2

FIG. 10C3

FIG. 10C4



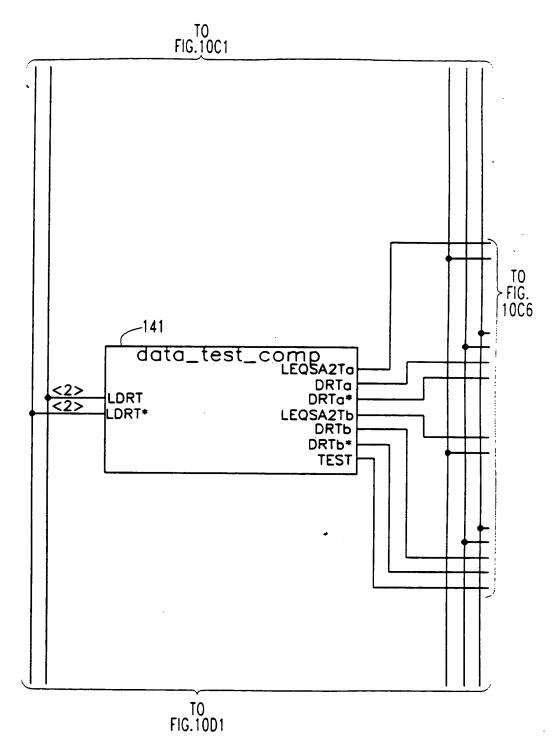


FIG. 10C5

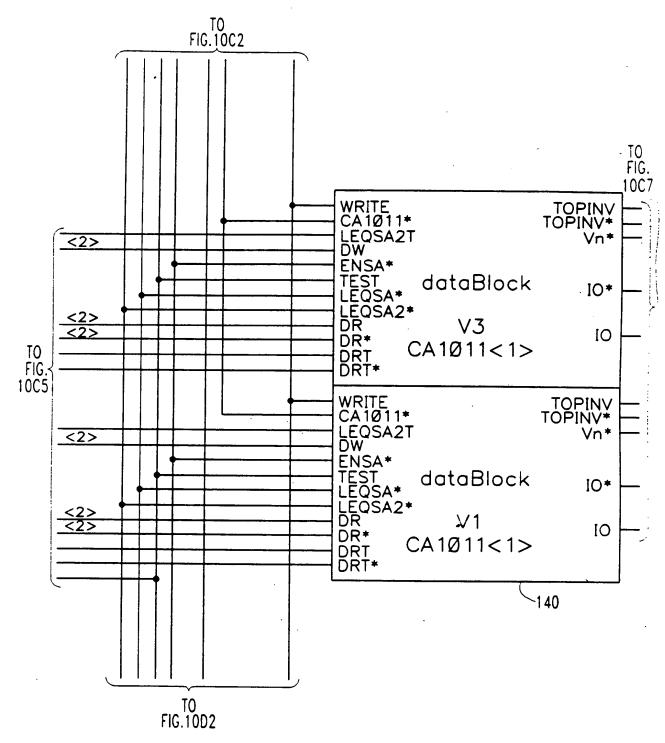


FIG. 10C6

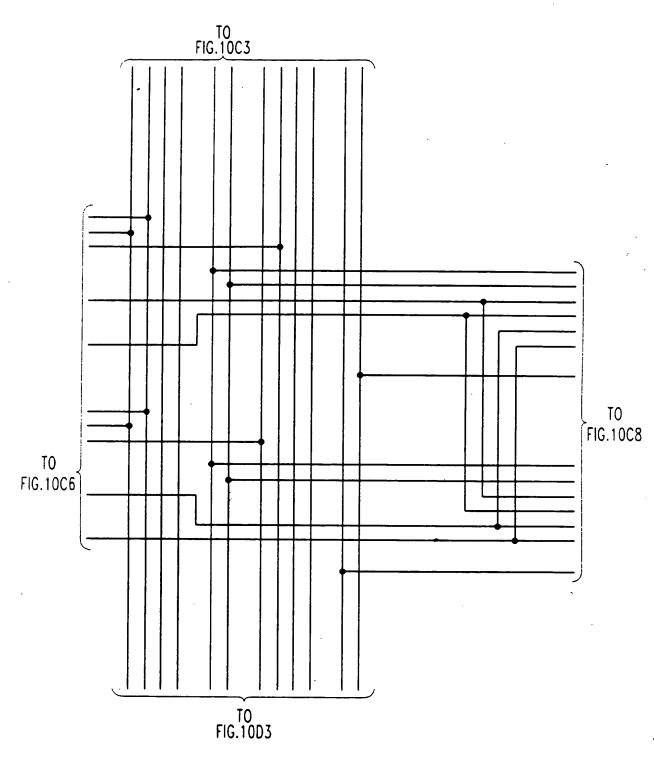
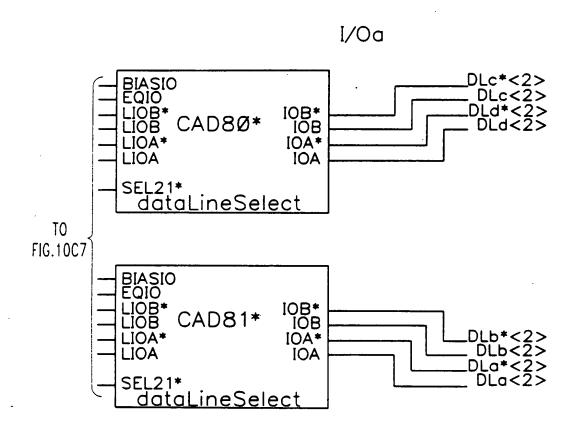


FIG. 10C7



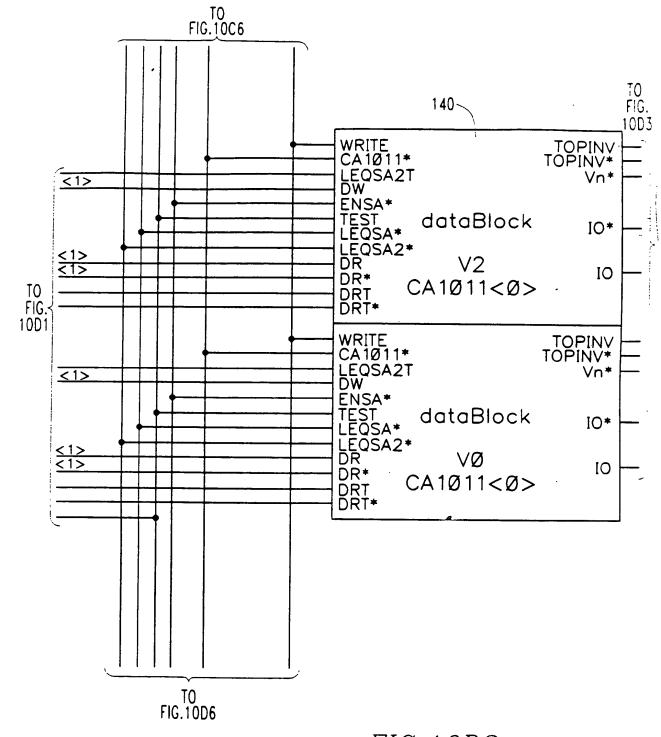
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FIG. 10C8

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FIG. 10D1



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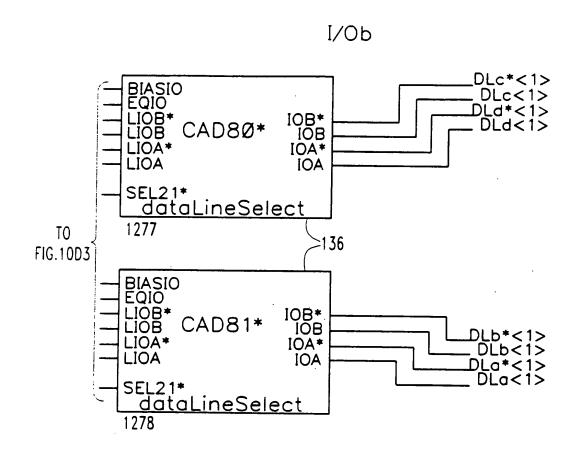
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FIG. 10D2

FIG. 10D3



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FIG. 10D4

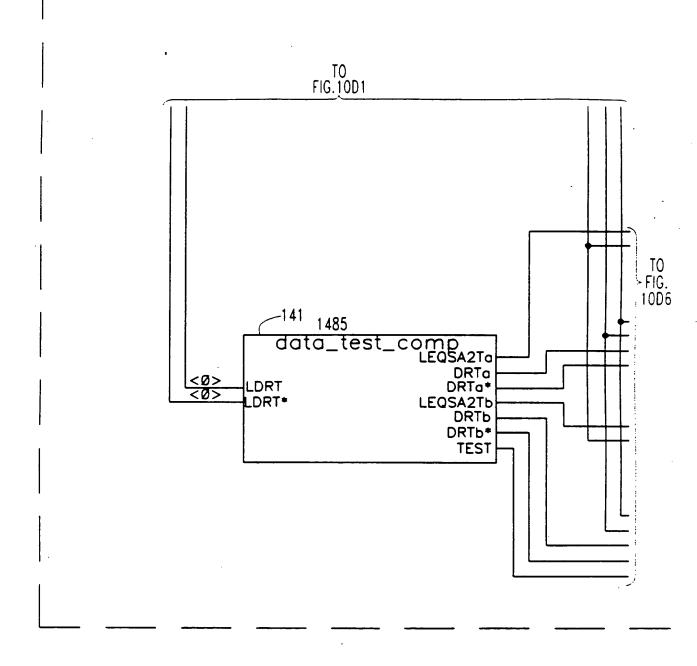
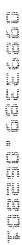


FIG. 10D5



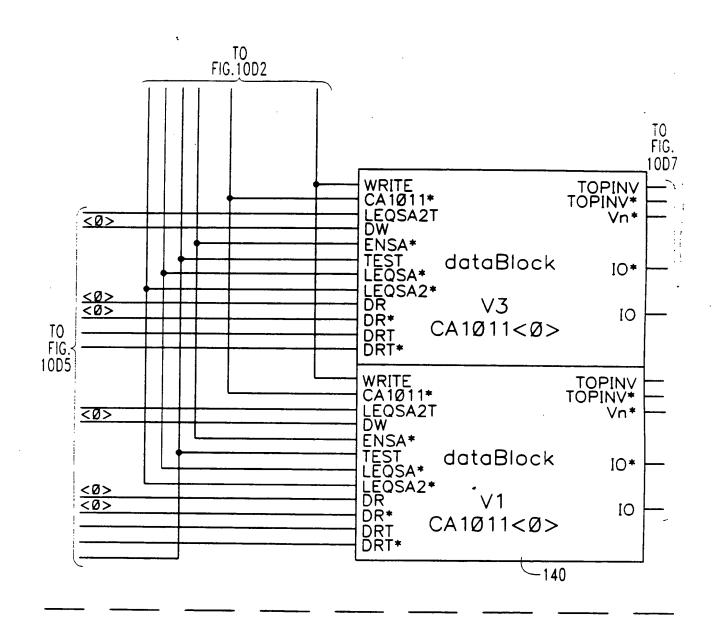


FIG. 10D6



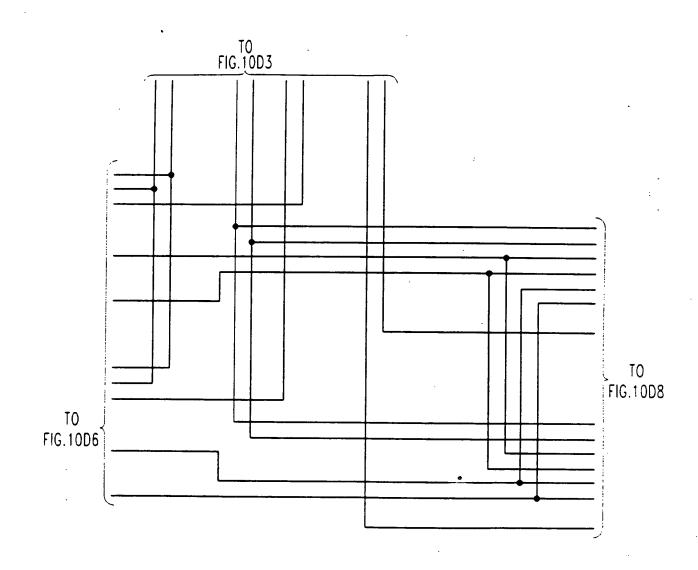
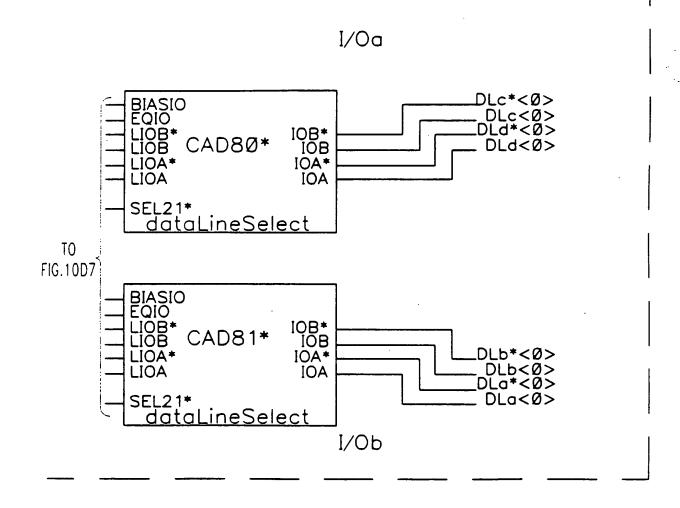
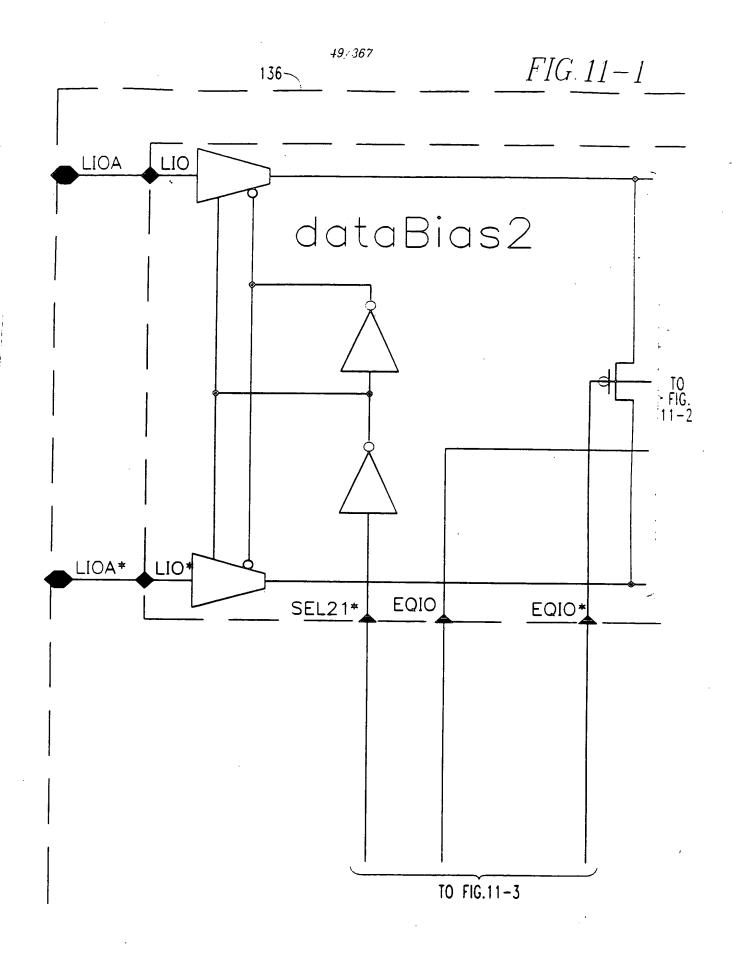


FIG. 10D7



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FIG. 10D8



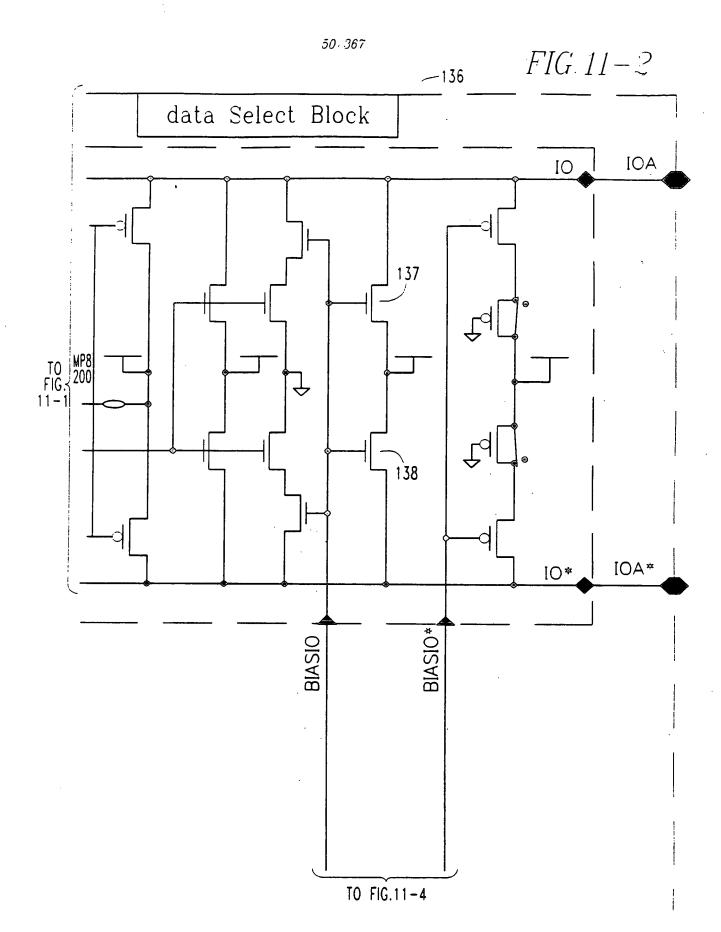


FIG. 11-3

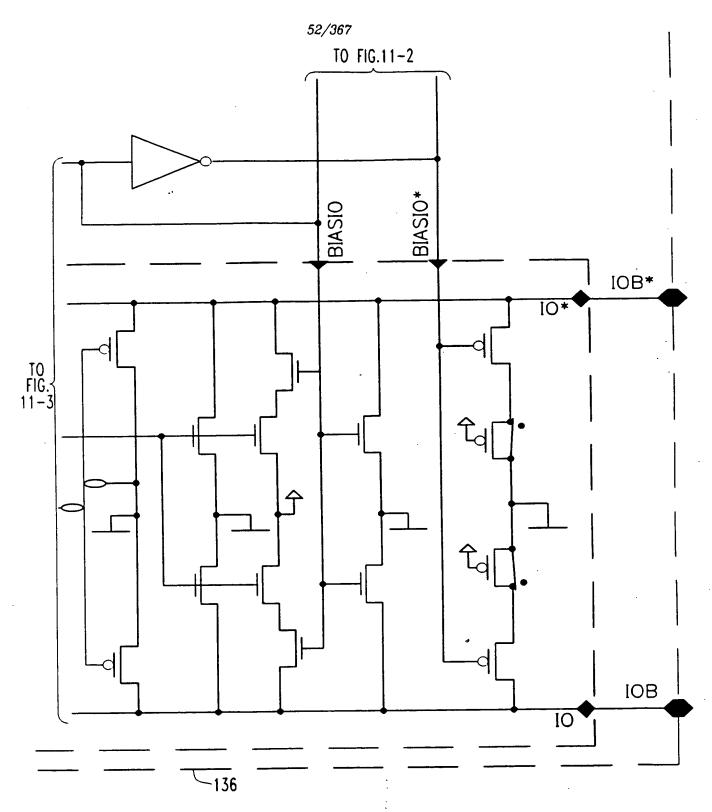
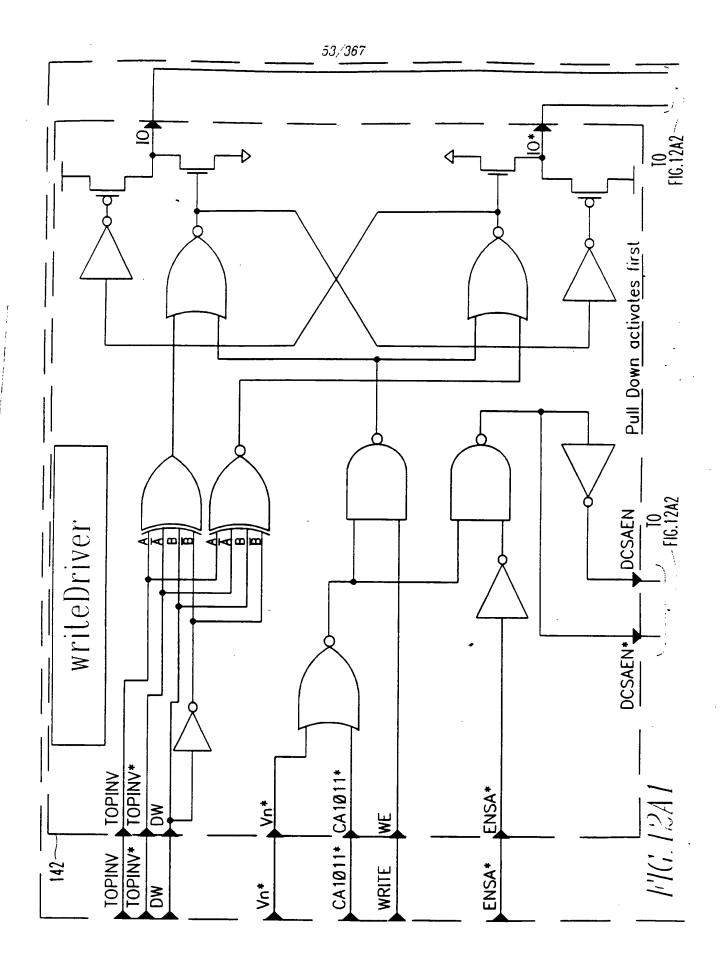
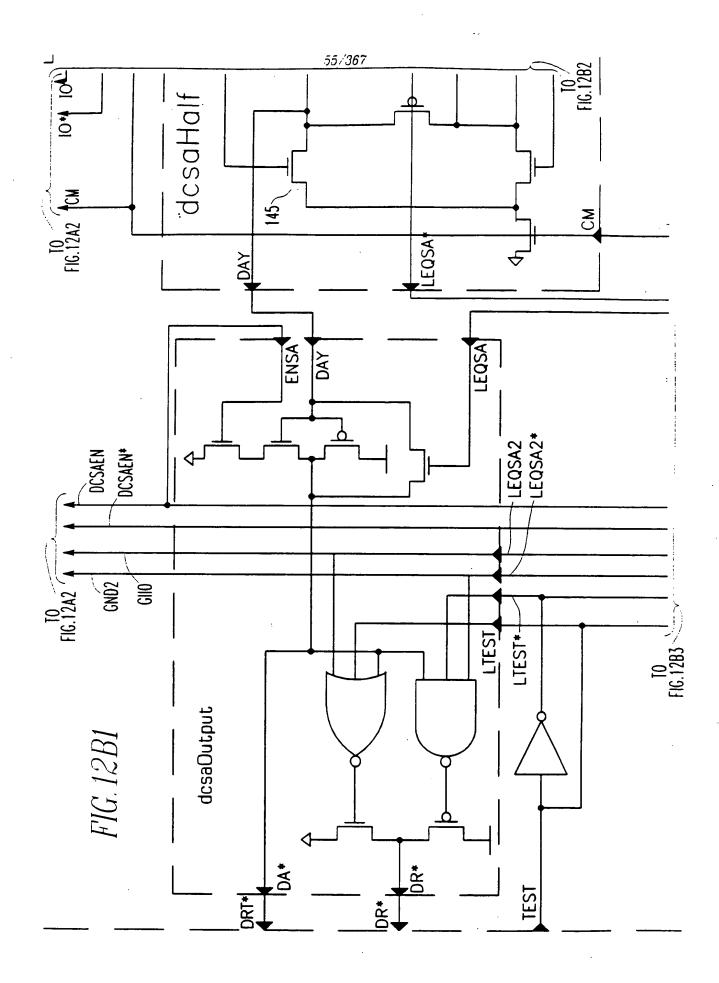


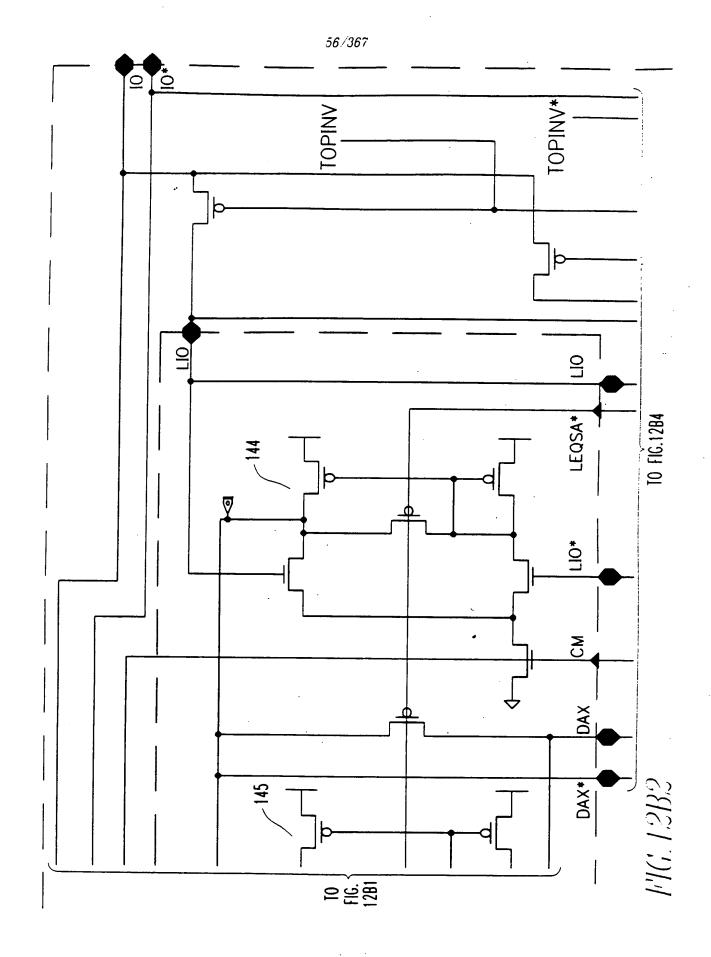
FIG. 11 – 4

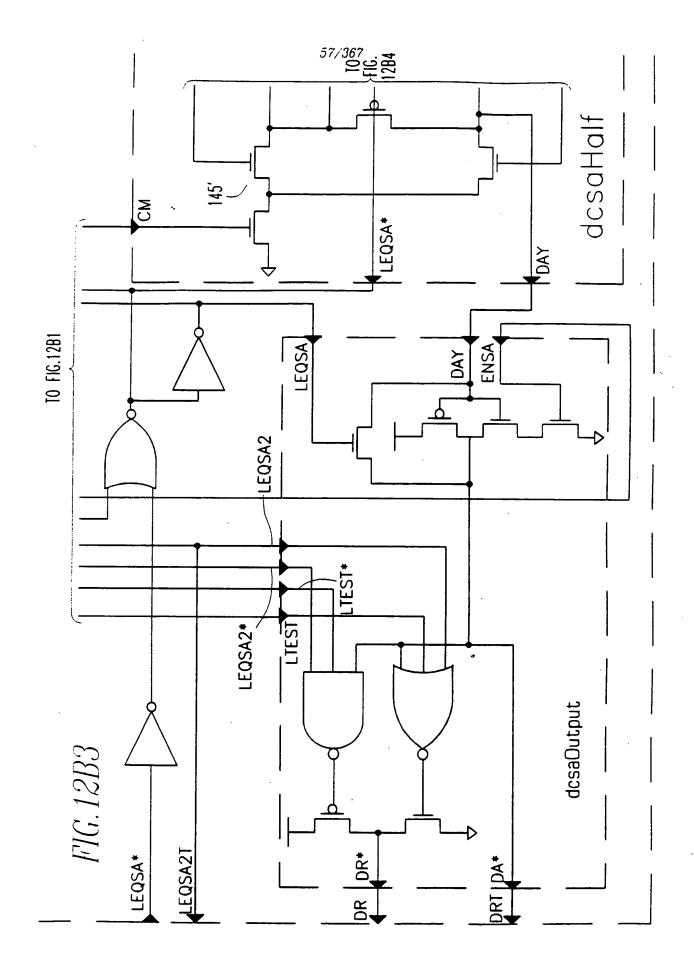


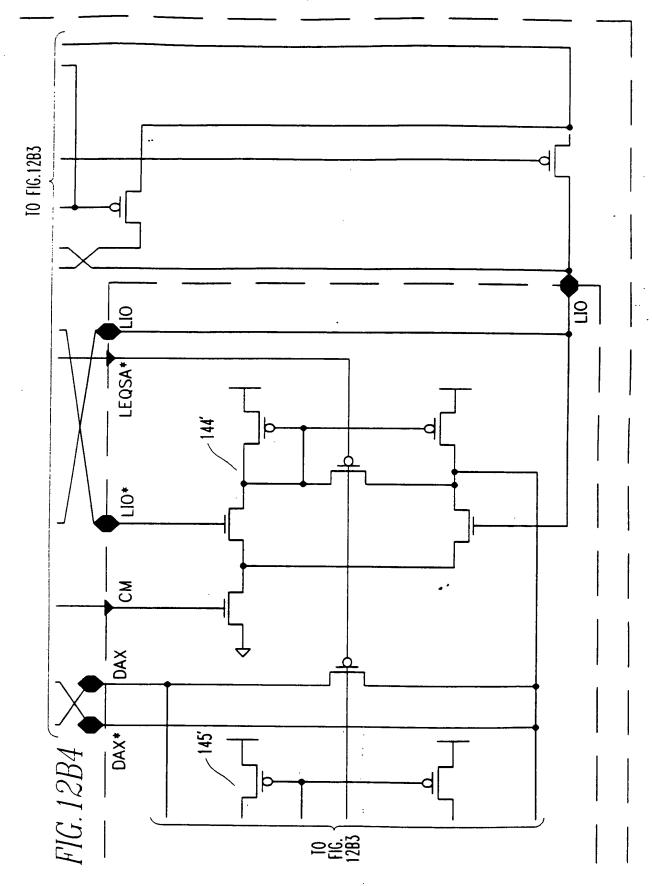
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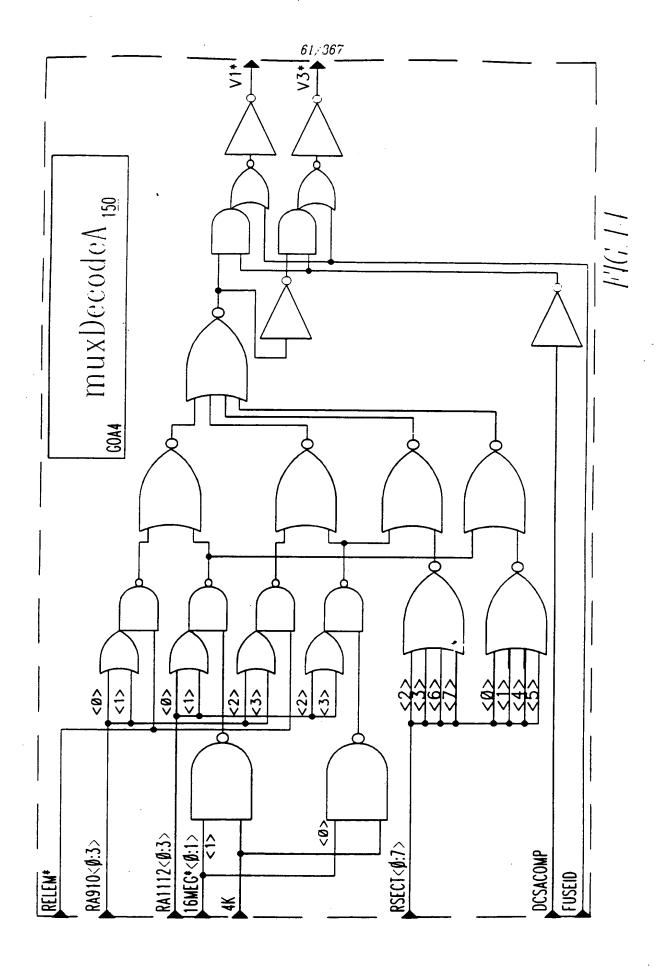
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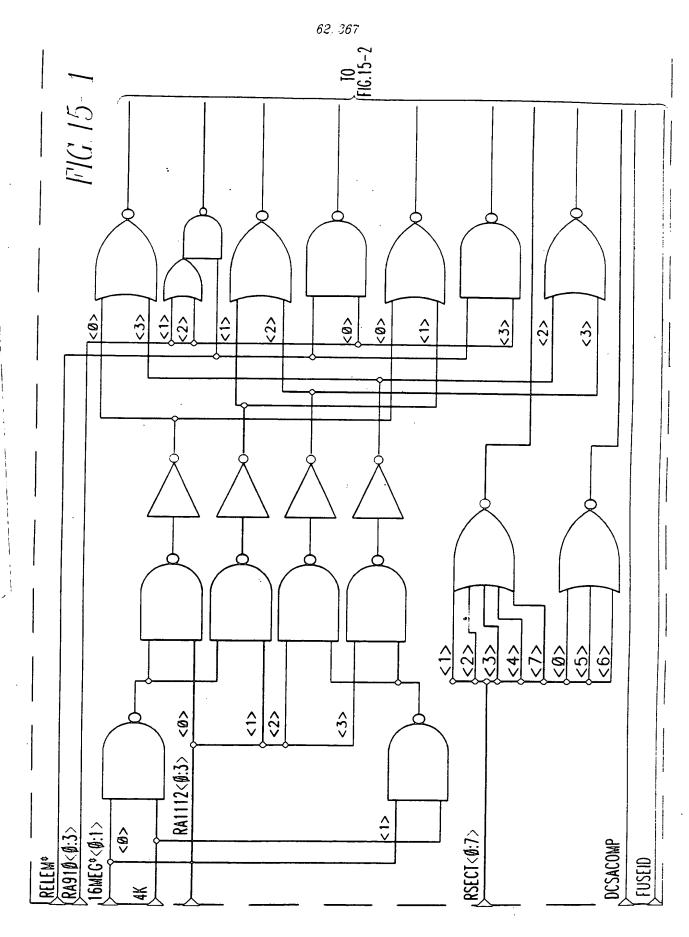






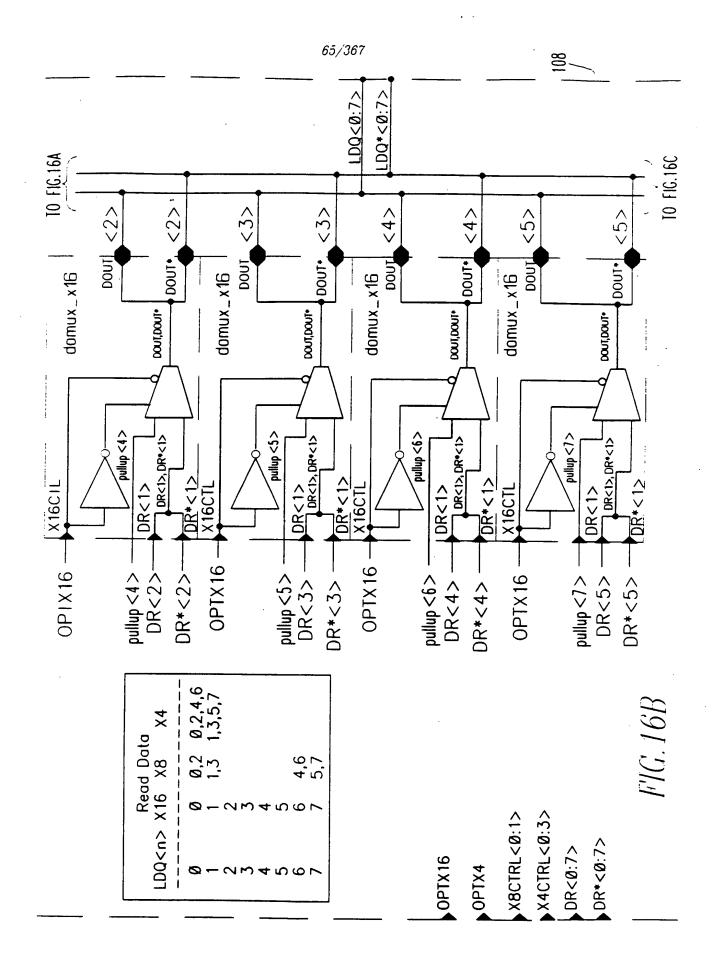


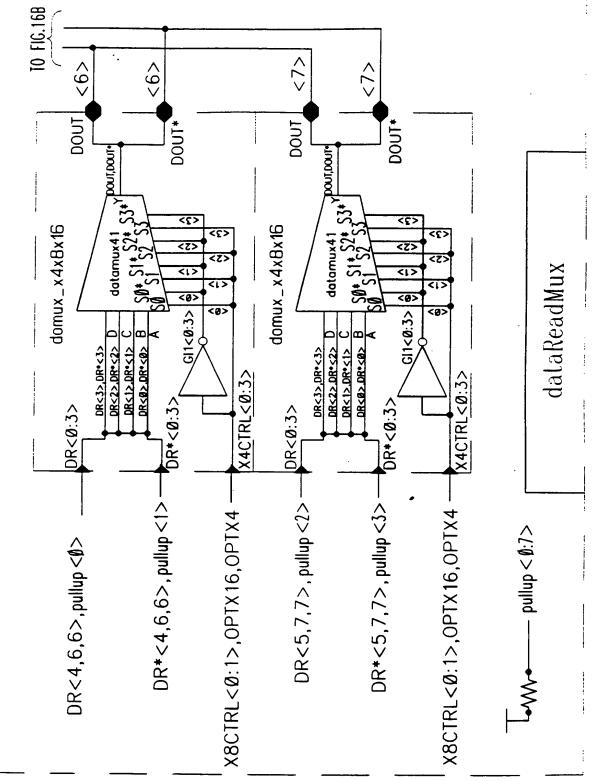


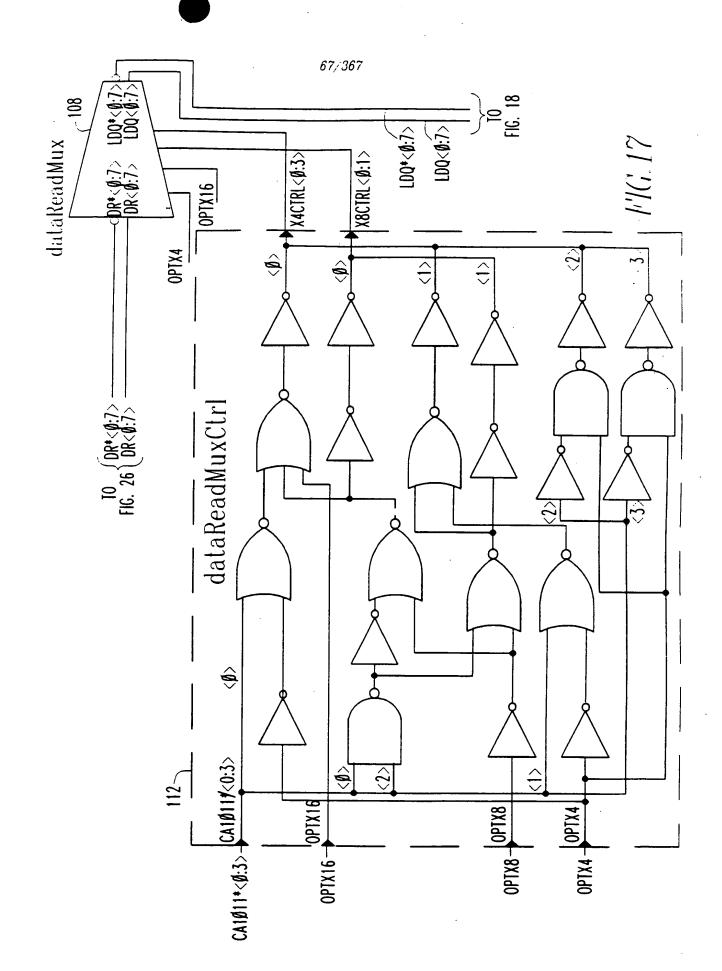


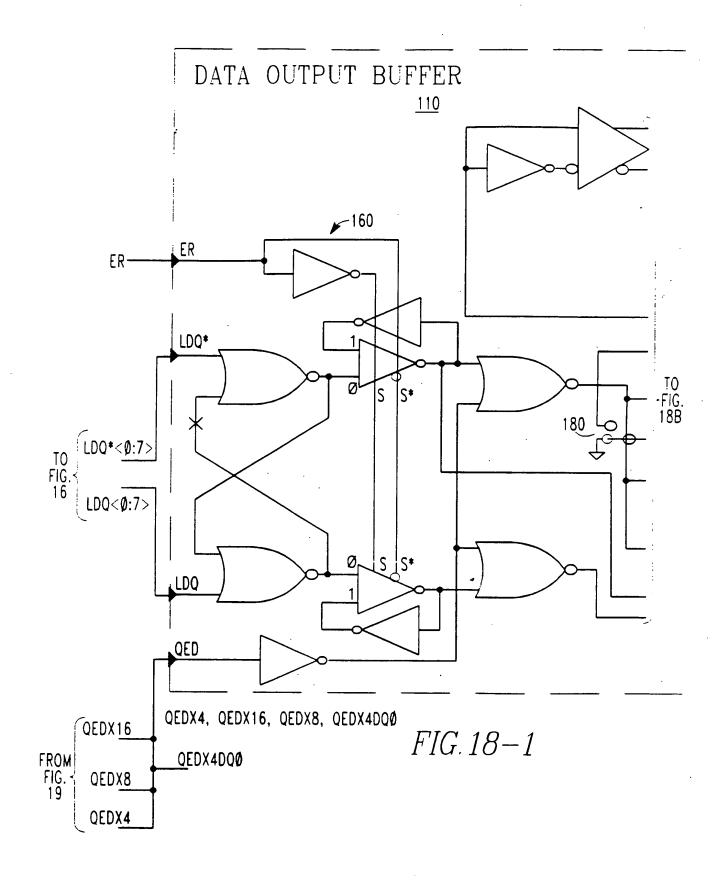
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FIG. 16A









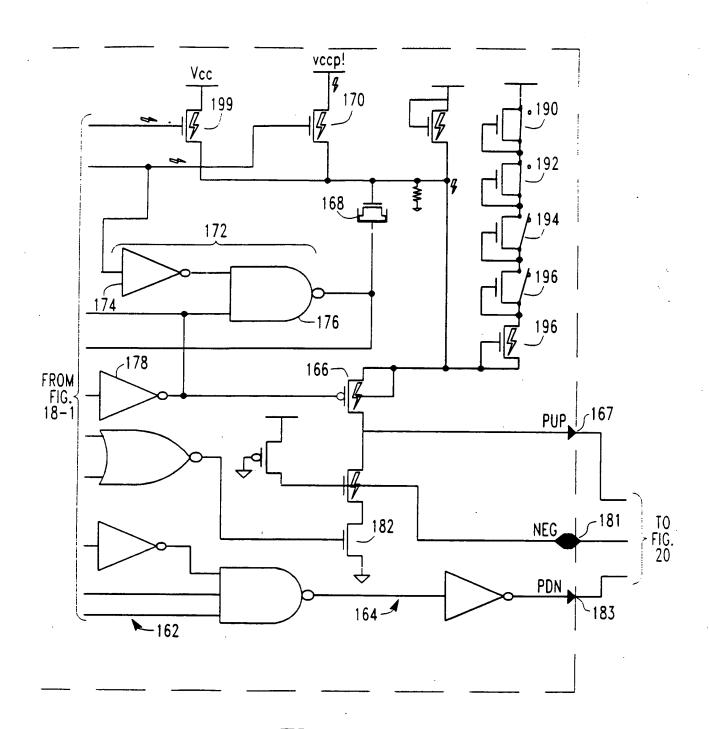
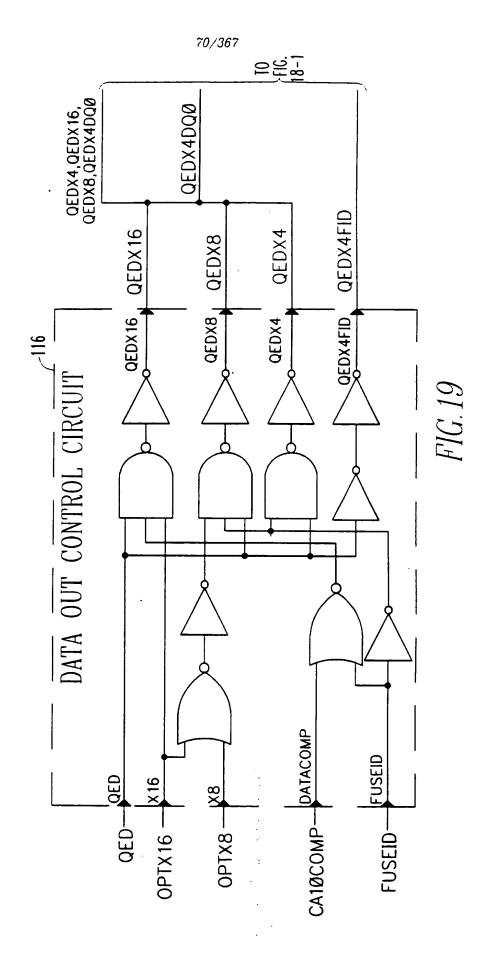
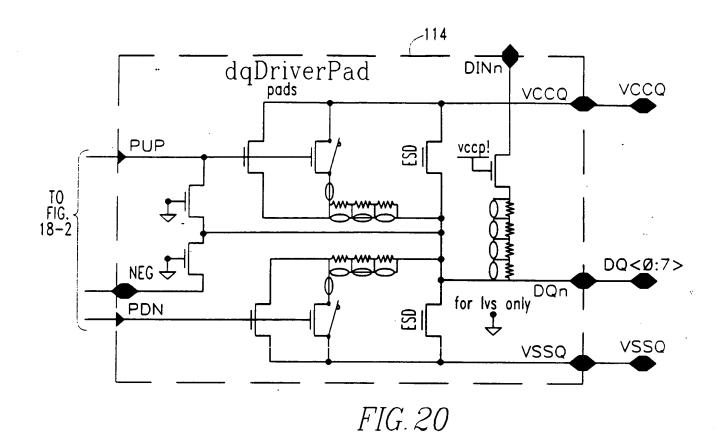
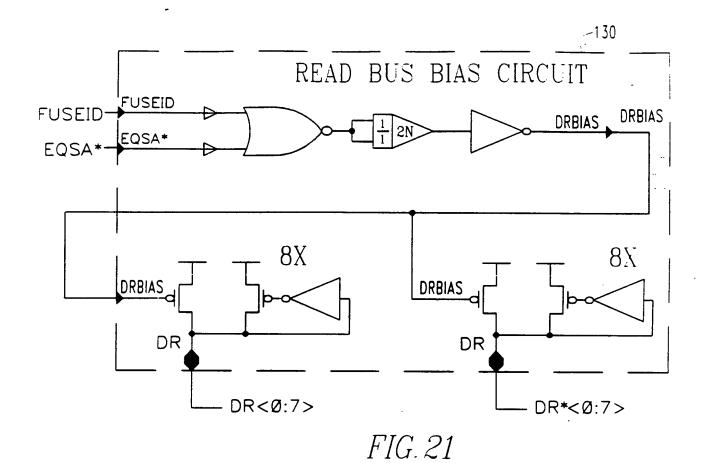
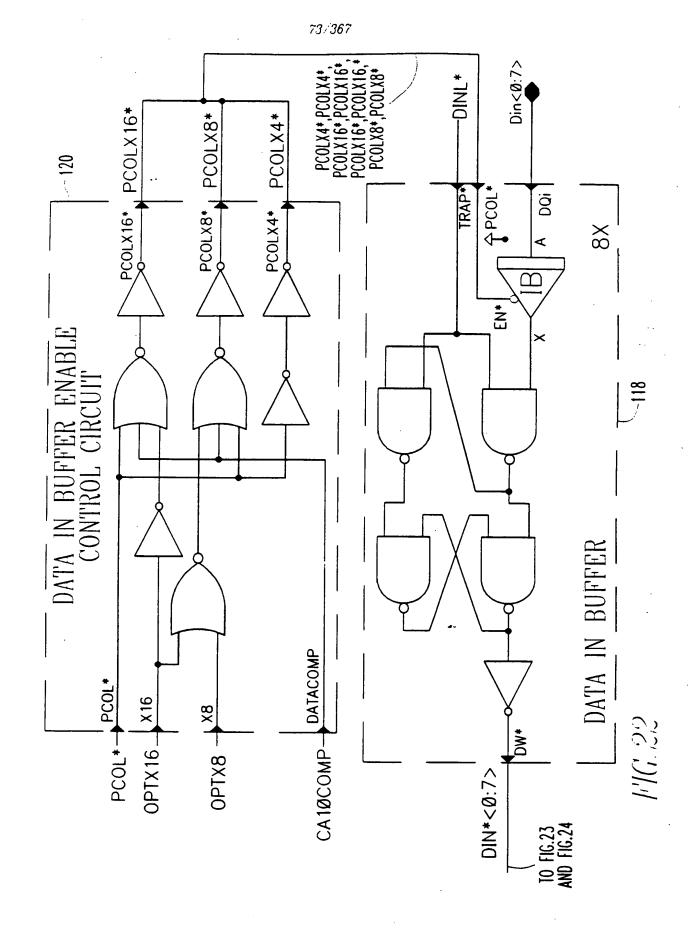


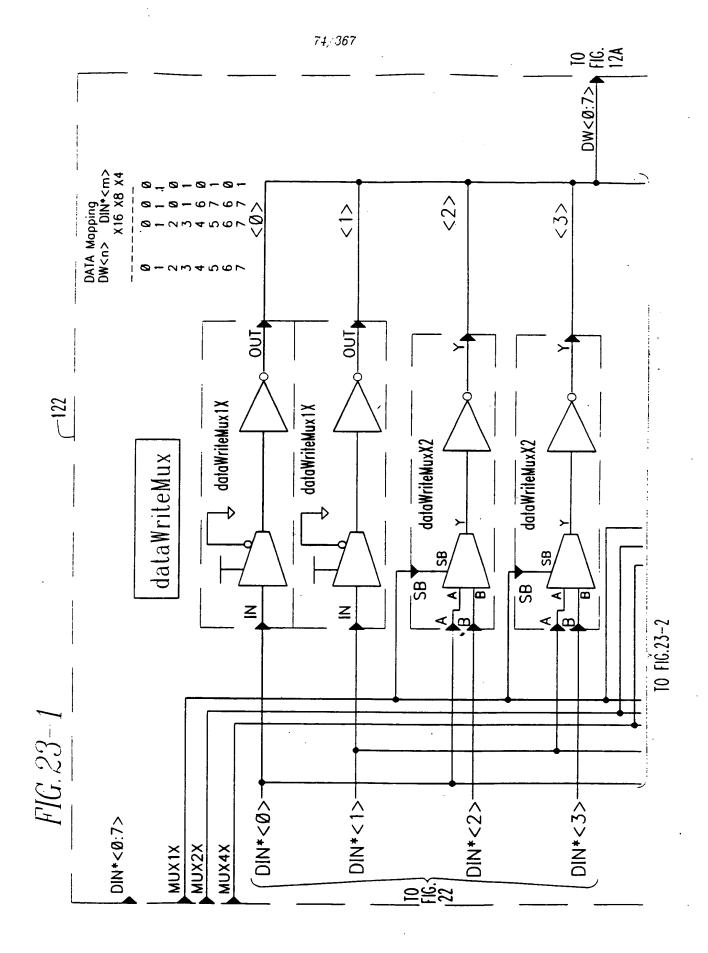
FIG. 18-2

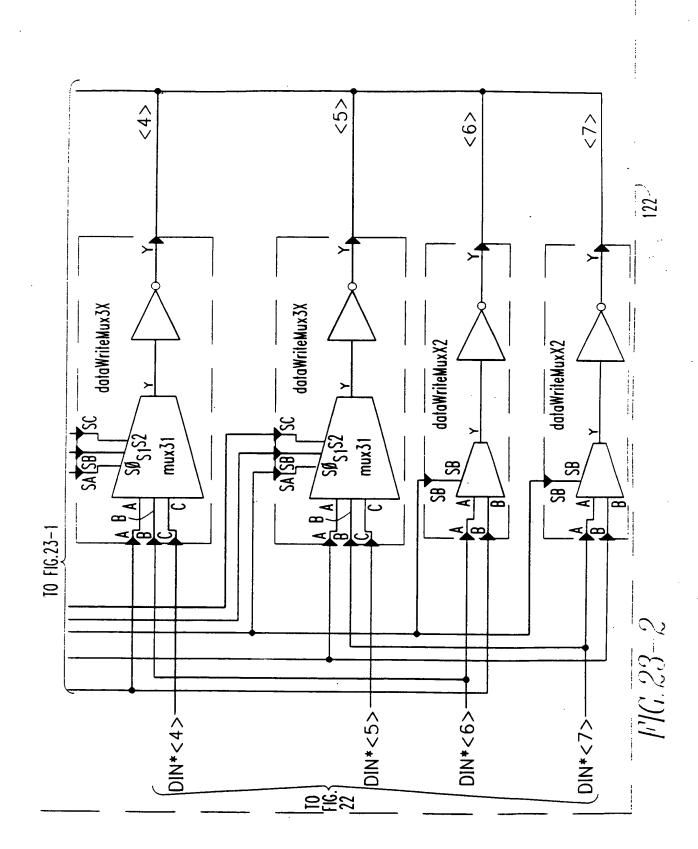












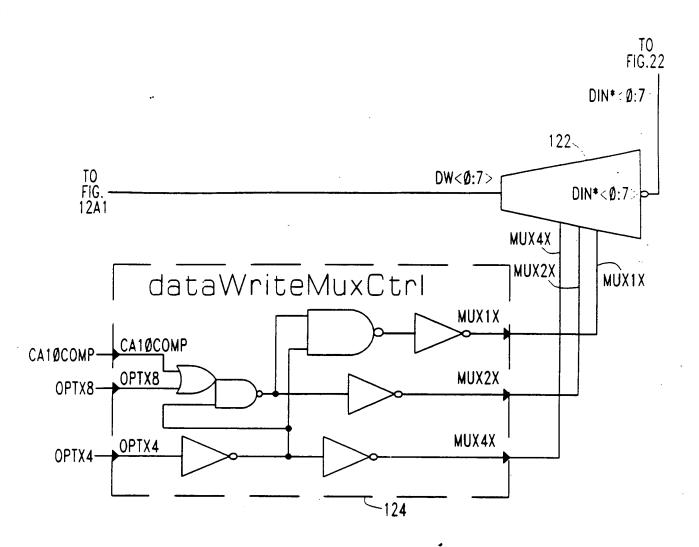
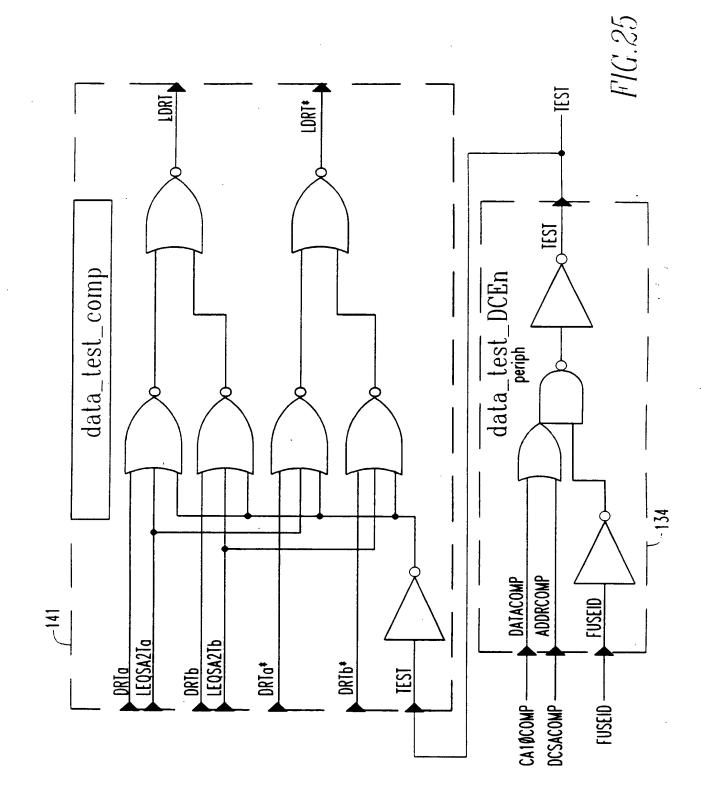
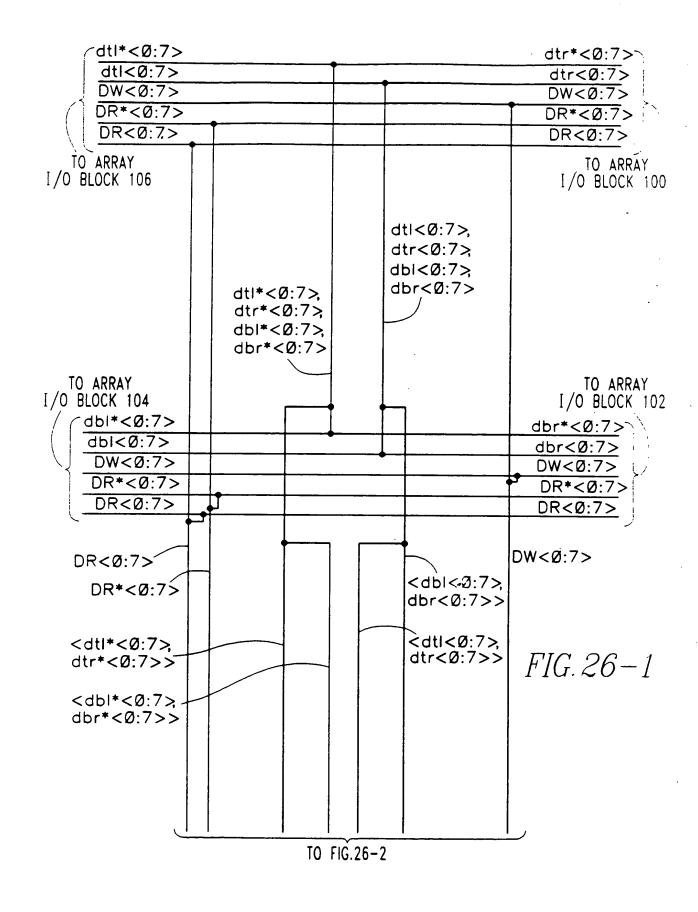


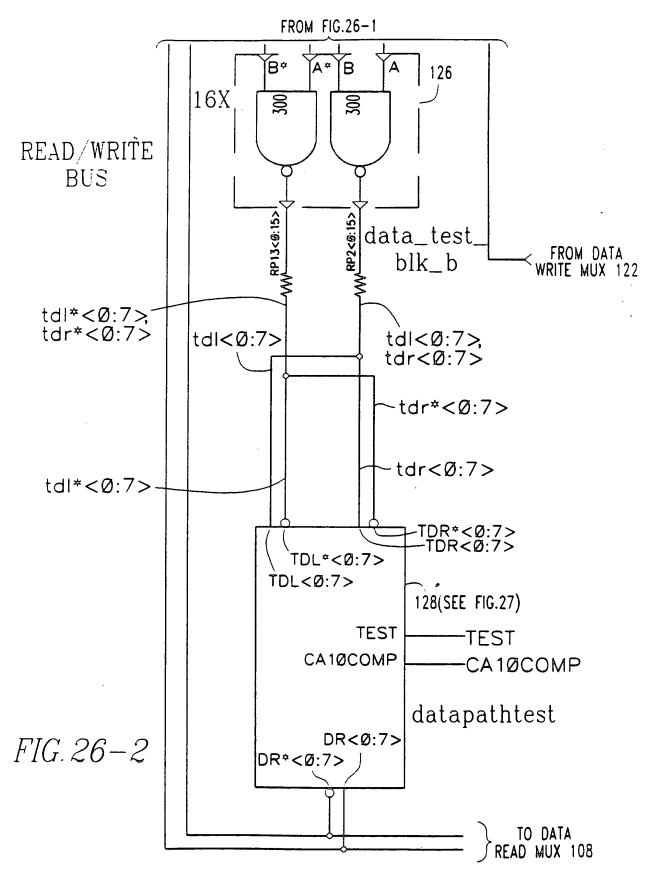
FIG. 24

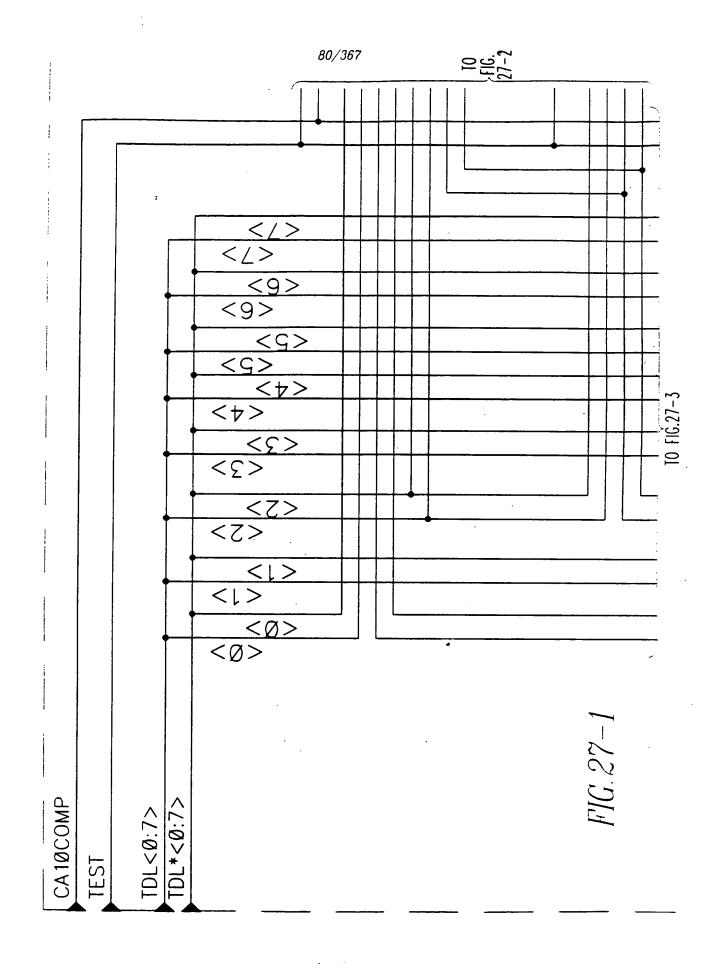


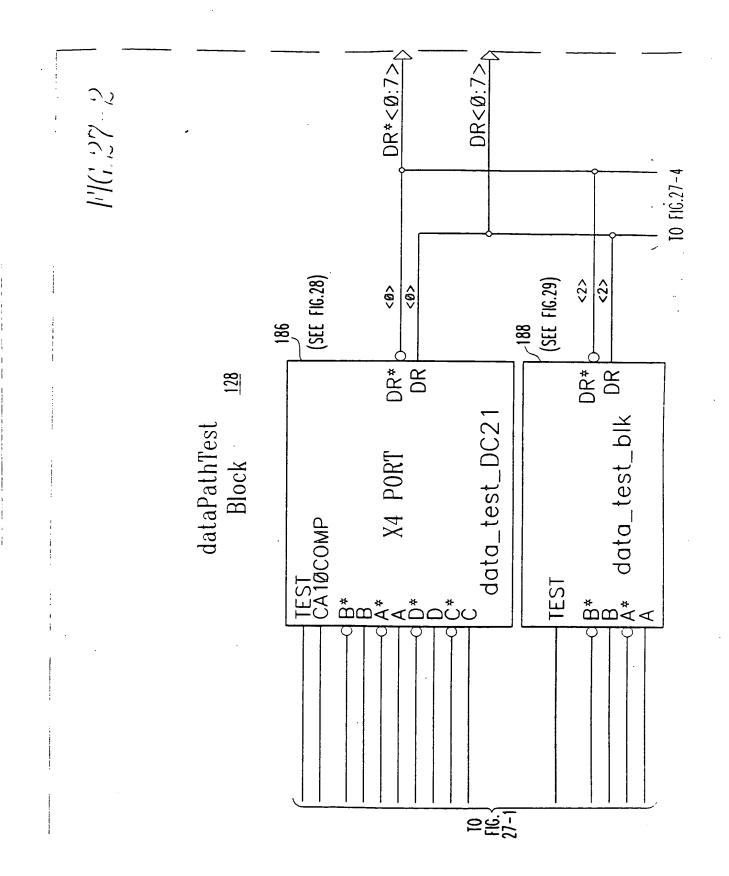


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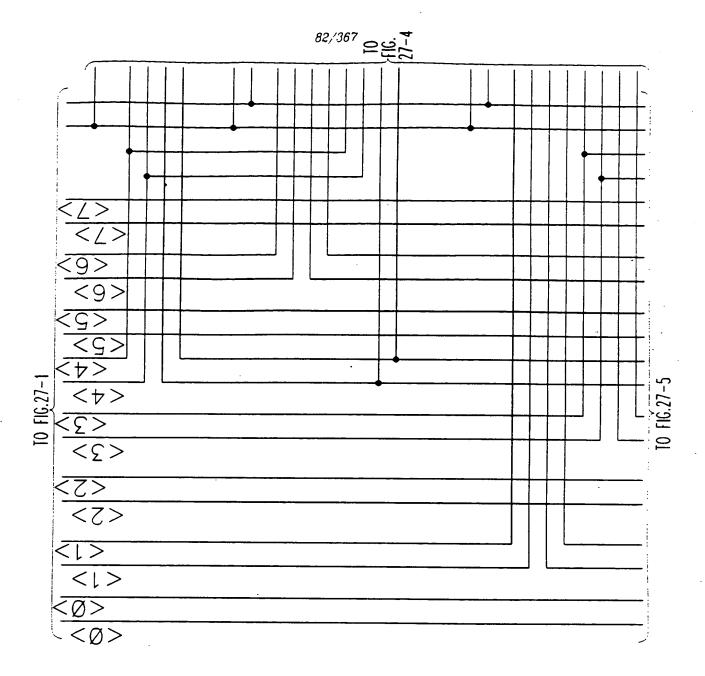
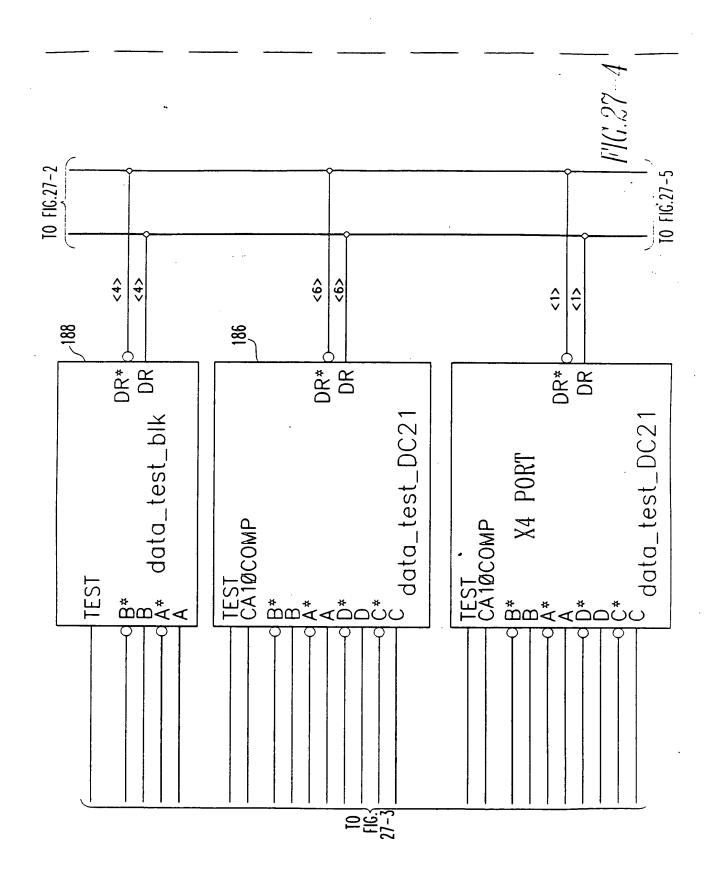
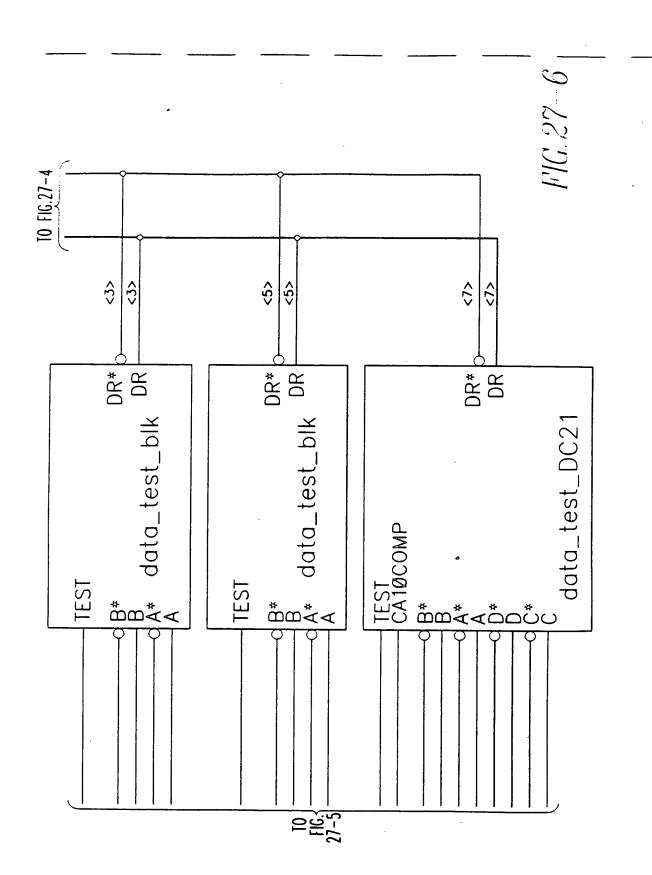


FIG. 27-3





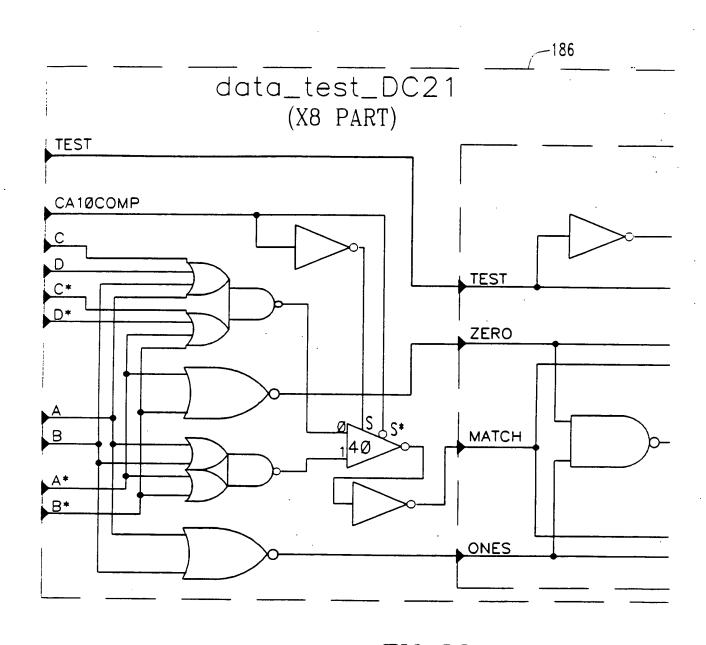


FIG. 28-1

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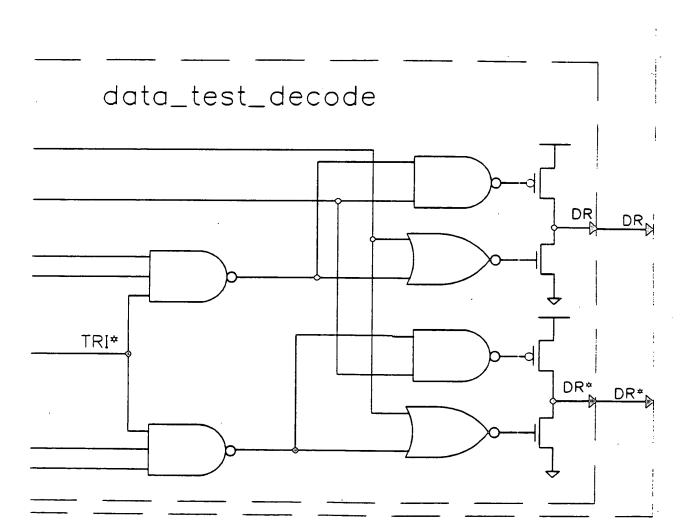


FIG. 28-2

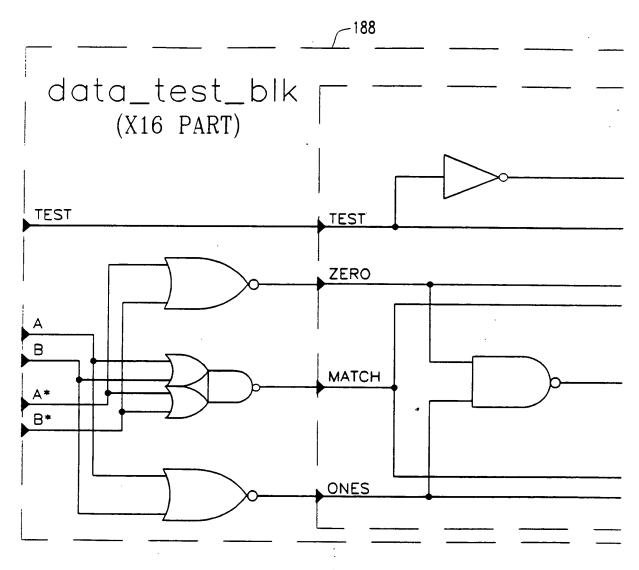


FIG. 29-1

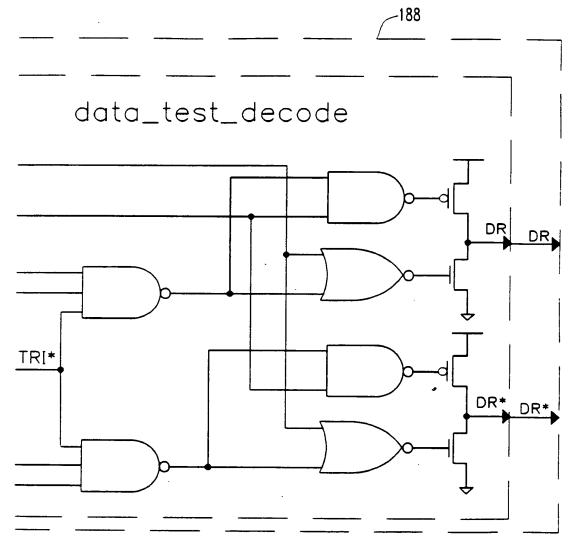


FIG. 29-2

TO FIG. 30-4

			. (06)	(01)	90) (90)	(07) DQ7	(06) UQ14	(07)
	; ;	33	(04)	(02)	(04)	(02)	(b4) DQ12	(05) DQ13
	:		(02)	(03)	(02)	(03)	(02) DQ1Ø	(03) DQ11
	2		(00) DQ2	(01) DQ3	(bø) DQ4	(01) DQ5	(00) DQ8	(01) DQ9
	FIG. 30-2							
; 5	10 FI		(90)	(07)	9ďQ (90)	(07) DQ7	(06) DQ14	(07) DQ15
that the time that the time that		31	(04)	(02)	(04)	(02)	(04) DQ12	(05) DQ13
			(03)	(03)	(03)	(03)	. (02) DQ1Ø	(03) DQ11
			(00) DQ2	(b1) DQ3	(00) DQ4	(01) DQ5	(00) DQ8	(01) DQ9
						·~		
					10 10 10 10 10 10 10 10 10 10 10 10 10 1	30-		

1 08 1914

TO FIG. 31A2

VCC1 Probe WE WE NCSV NCSV AVC2_L Probe DVC2_L Probe VSS VSS VSS 9 VCCX VCCX VCCX VSSQ VSSQ VSSQ 16 VCCQ VCCQ VCCQ 15 004 Š N N DQ3 Ş TO FIG. 31A1 VSSQ Š Š 12

FIG. 31A2

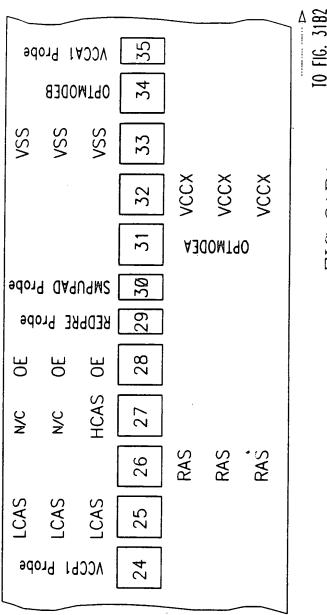


FIG. 31B1

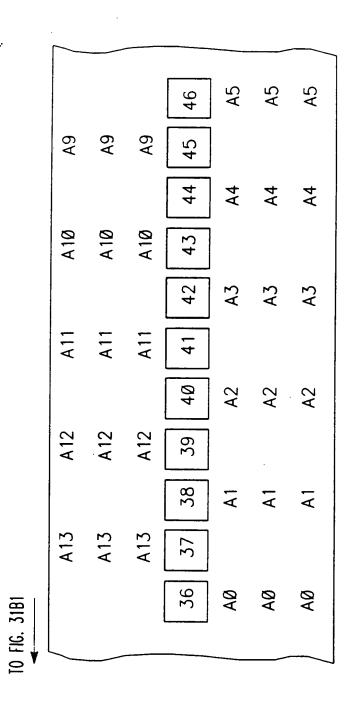


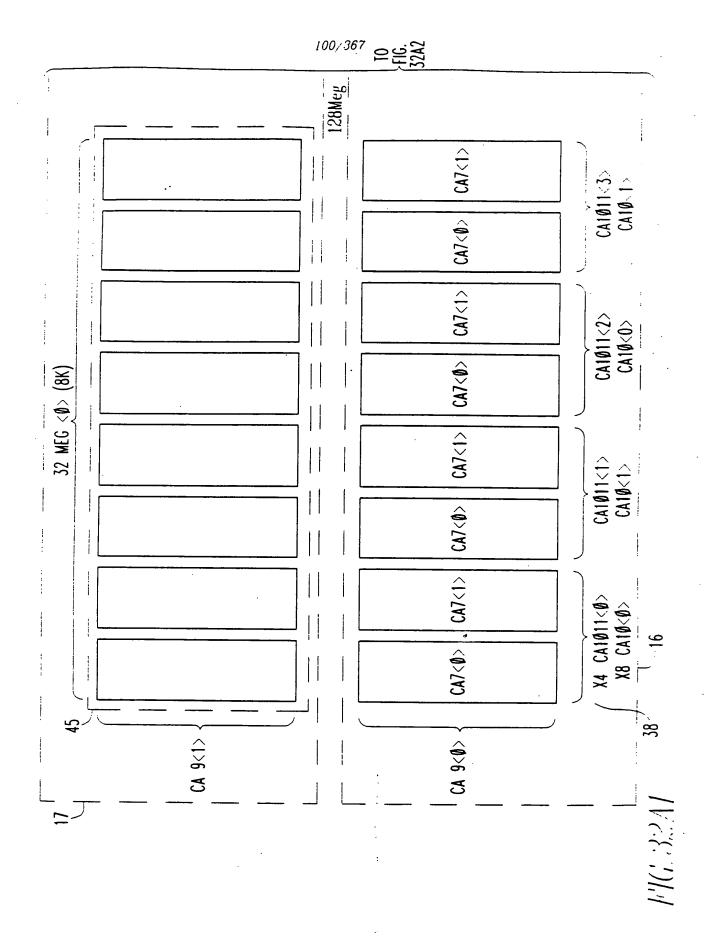
FIG. 31B2

			59	/cco	N/C	N/C	3102
N/C	DQ7	DQ15	58	>	-		TO FIG.
	~	~	57	DQ8	DQ4	DQ2	
VSSQ	VSSQ	VSSQ	56	C.	~	\sim	C1
			55	VCCQ	VCCQ	000	FIG. 31C1
VSS	VSS	VSS	54				FI(
			53	VCCX	VCCX	VCCX	
rope	q 9_9	AVC	52				
robe	9 <u>9</u>	DACS	51				
	۸S	III	50				
A7	A7	A7	49				
			48	A6	A6	A6	
A8	A8	A8	47				

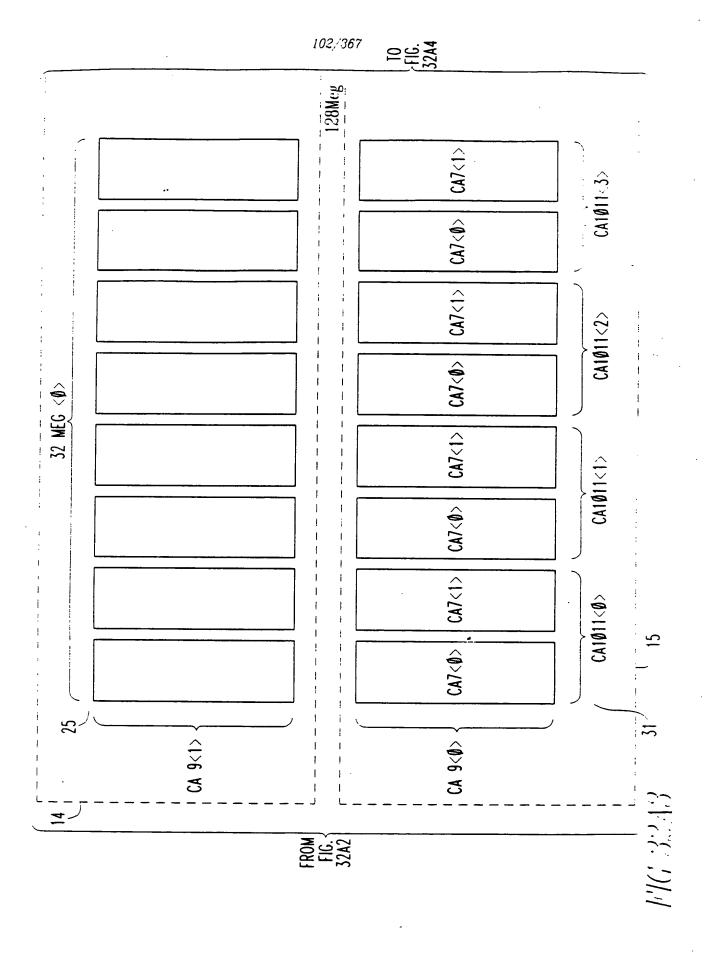
FIG. 31C1

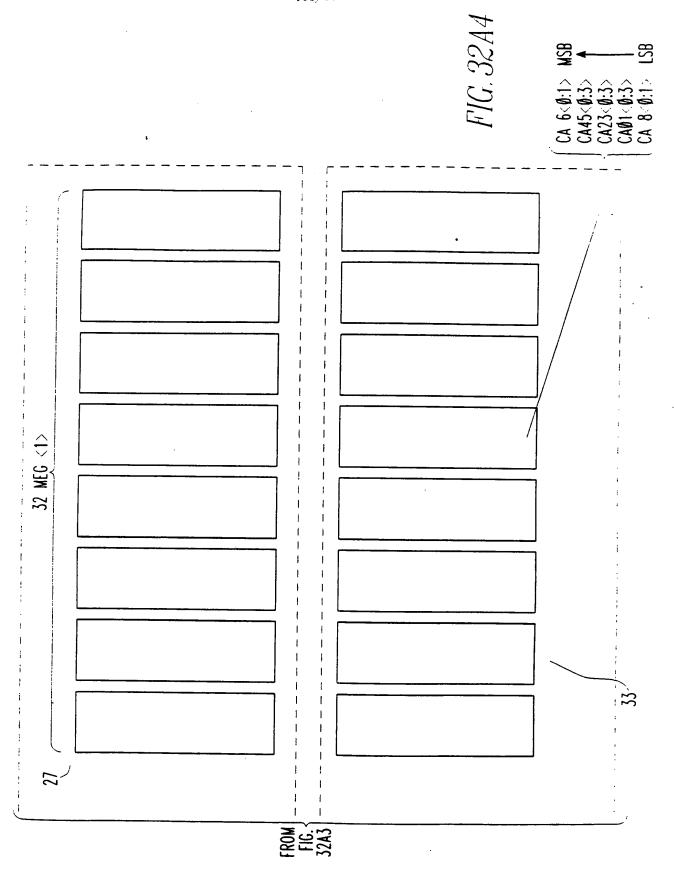
_	10 FIG. 31C1										•	
	N/C		N/C		NC		VSSQ		NC		VSSQ VBB	VBB
	C KC		900		NC		VSSQ		S K		VSSQ	VBB
	VSSQ		DQ14	_	DQ13		VSSQ		DQ12		VSSQ	VBB
	09	61	62	63	64	65	99	67	68	69	20	71
		60Q		DQ 10		VCCQ		DQ11		VCCQ		VBB
		005		N/C		VCCQ		Š		VCCQ		VBB
		003,	•	N/C		VCCQ		NC NC		0000		VBB
_												

FIG. 31C2



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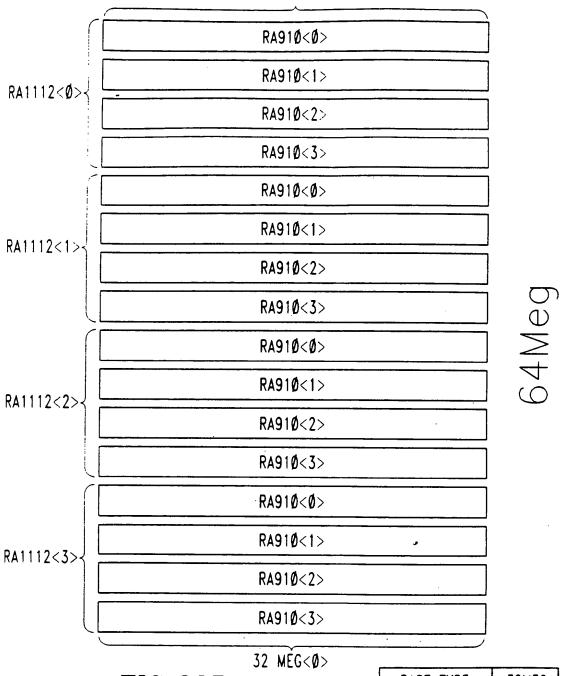
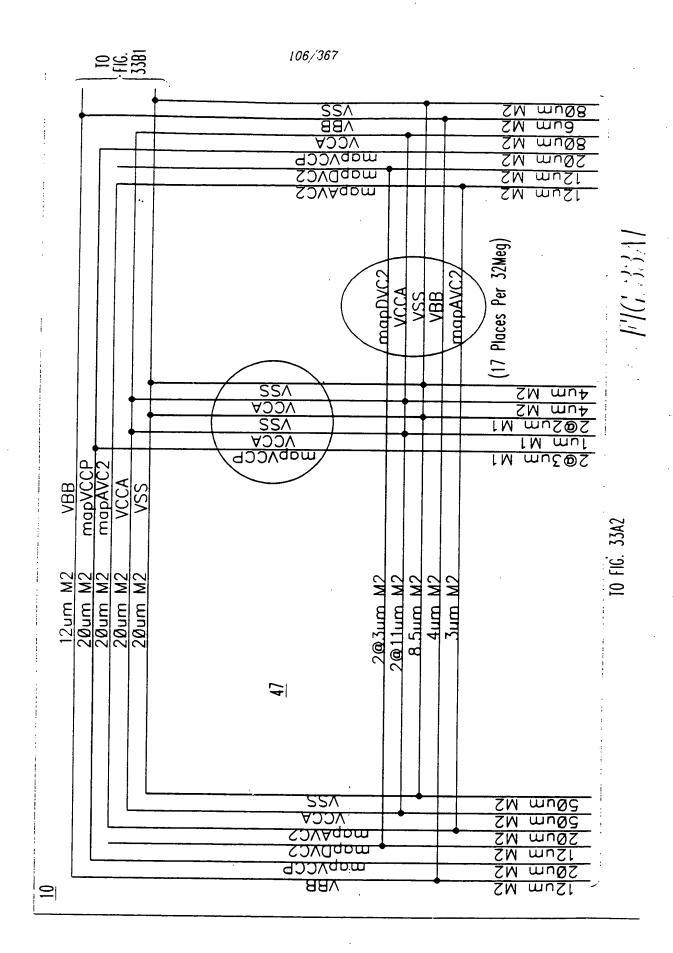
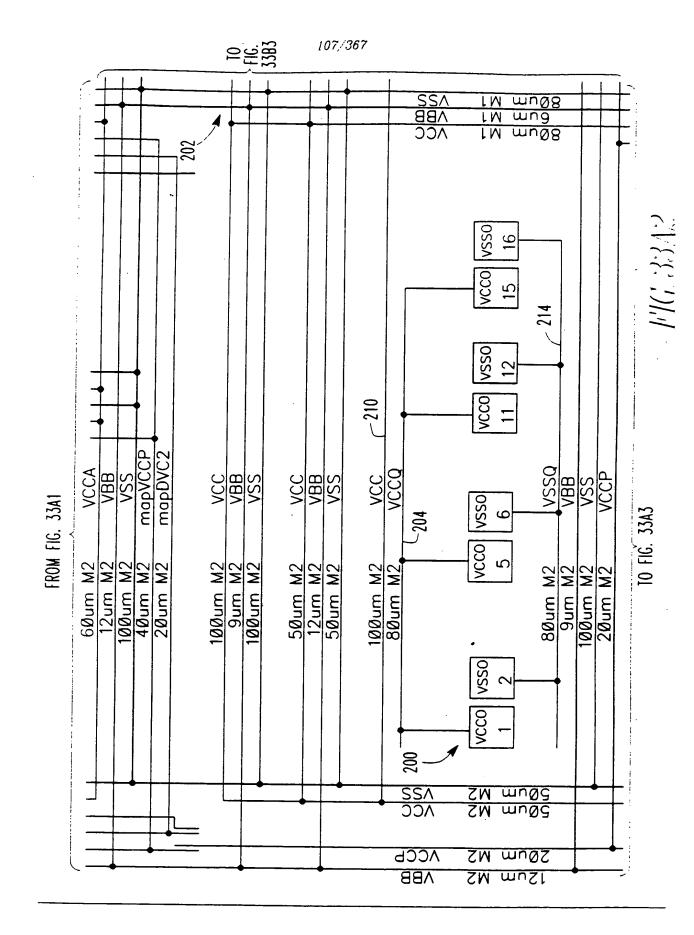


FIG. 32B1

PART TYPE	32MEG
ANY 16K	RA_13
X4 8K OR 4K	CA_12
X8 8K OR 4K	CA_11
X16 8K OR 4K	CA_10

RA91Ø<Ø>	
RA91Ø<1>	D d
RA91Ø<2>	- RA1112<Ø-
RA91Ø<3>	
RA91Ø<Ø>	
RA91Ø<1>	0444974
RA91Ø<2>	> RA1112<1>
RA91Ø<3>	
RA91Ø<Ø>	
RA91Ø<1>	DA1112 < 2 .
RA91Ø<2>	
RA91Ø<3>	
RA91Ø<Ø>	
RA91Ø<1>	RA1112<3>
RA91Ø<2>	> RATTIZ<3>
RA910<3>	J .
32 MÉG<1>	
FIG. 32B2	





		01	3385	, 367	
FROM FIG. 33A2	80um M2 VCCA 3um M2 VBB 80um M2 VSS 3um M2 VCCP	80um M2 VCC 3um M2 VBB 80um M2 VSS 3um M2 VCCP	8Øum M2 VCC 3um M2 VBB 8Øum M2 VSS 3um M2 VCCP	24um M2 VCC 12um M2 VBB 26um M2 VSS 100um M2 VCC 9um M2 VBB	188 VSS 12um M2 VBB VBB VCCA TO FIC 2344

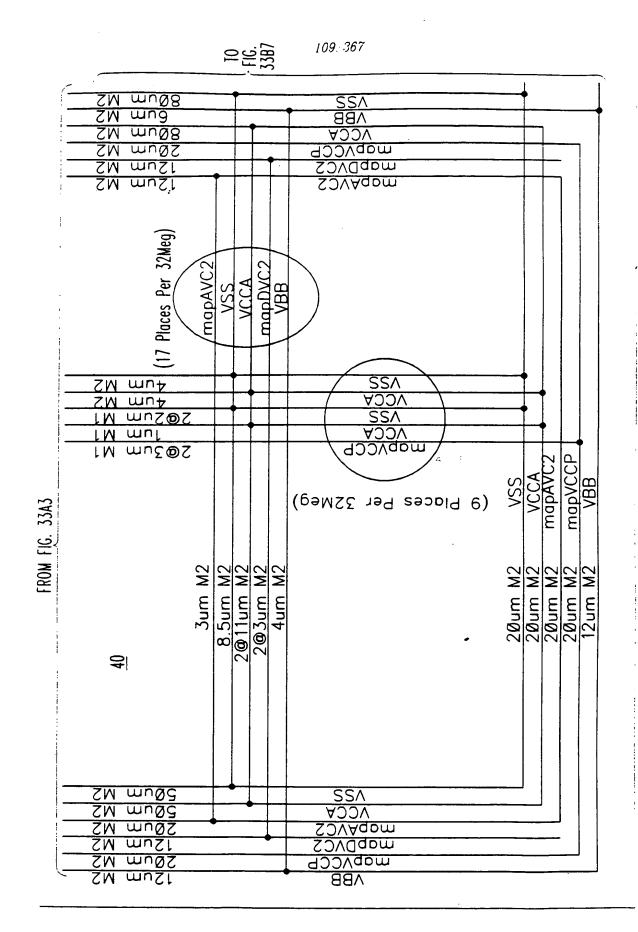
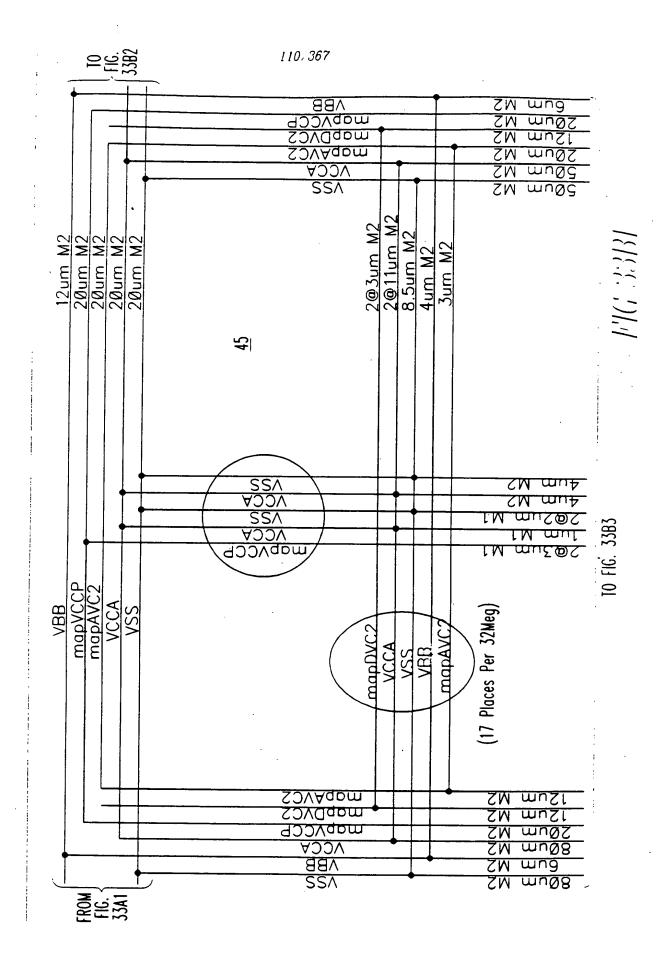
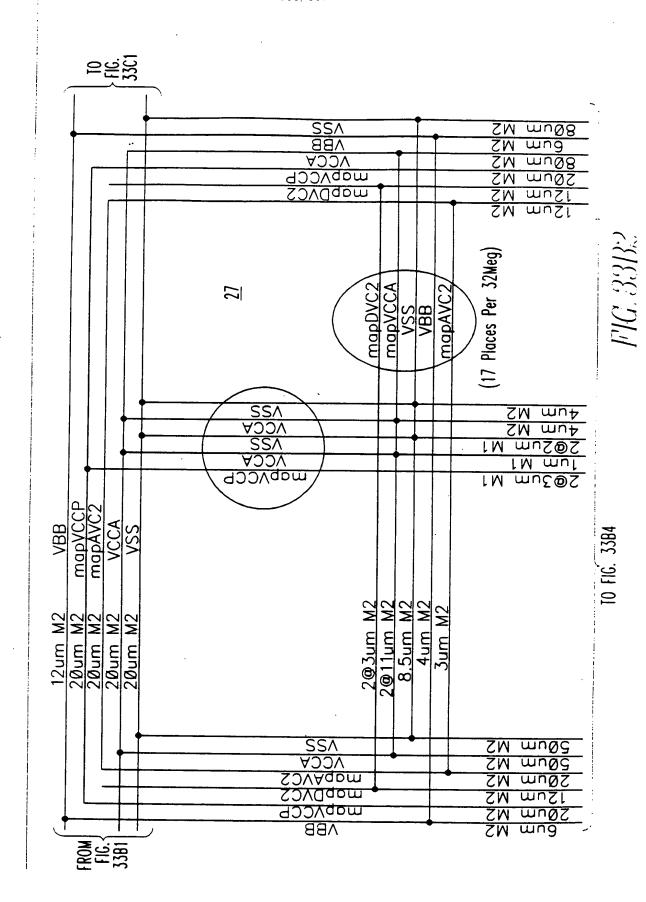
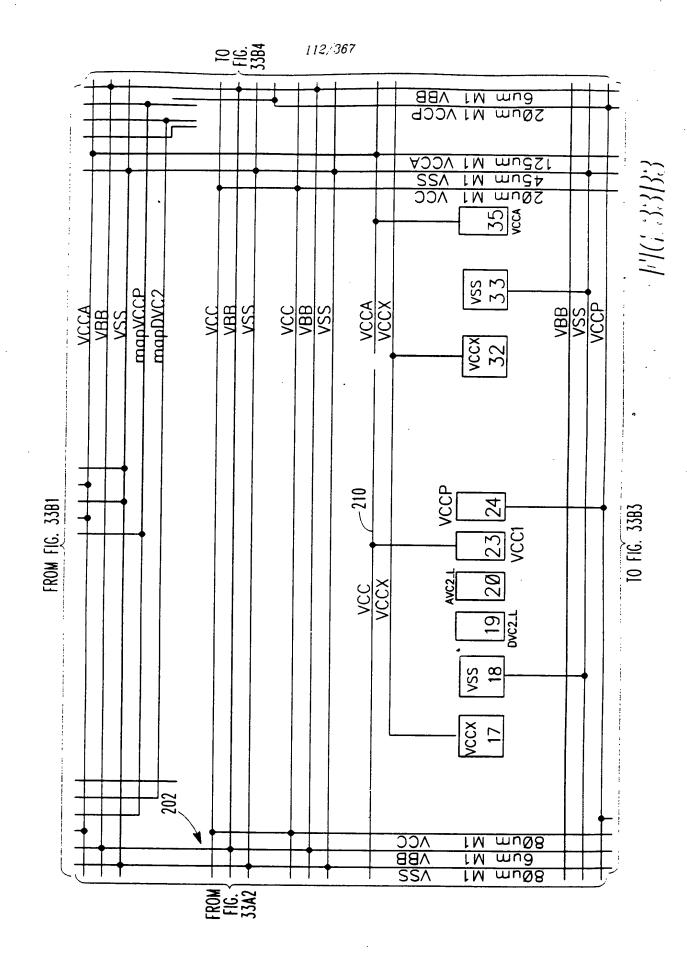
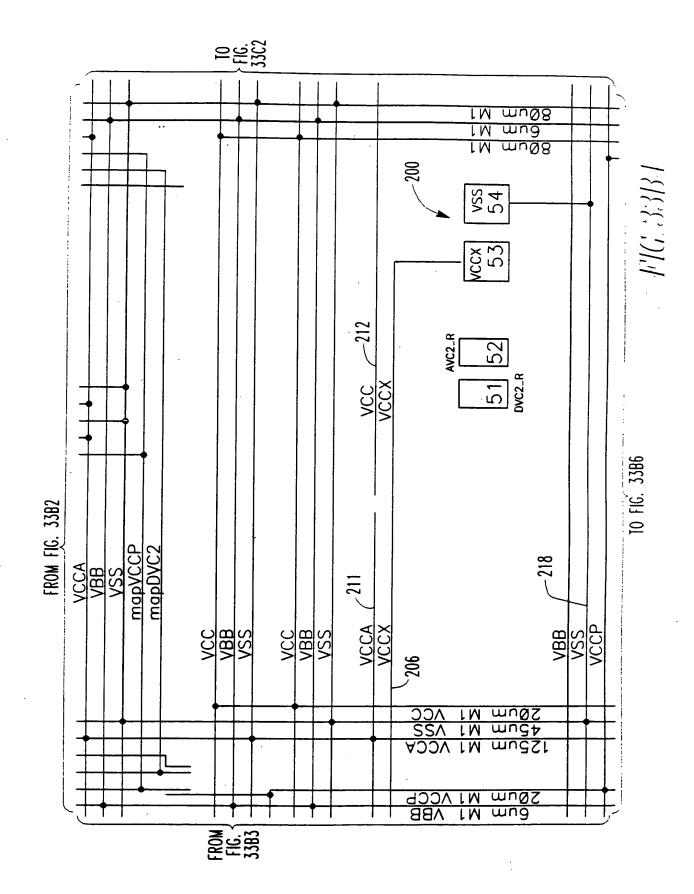


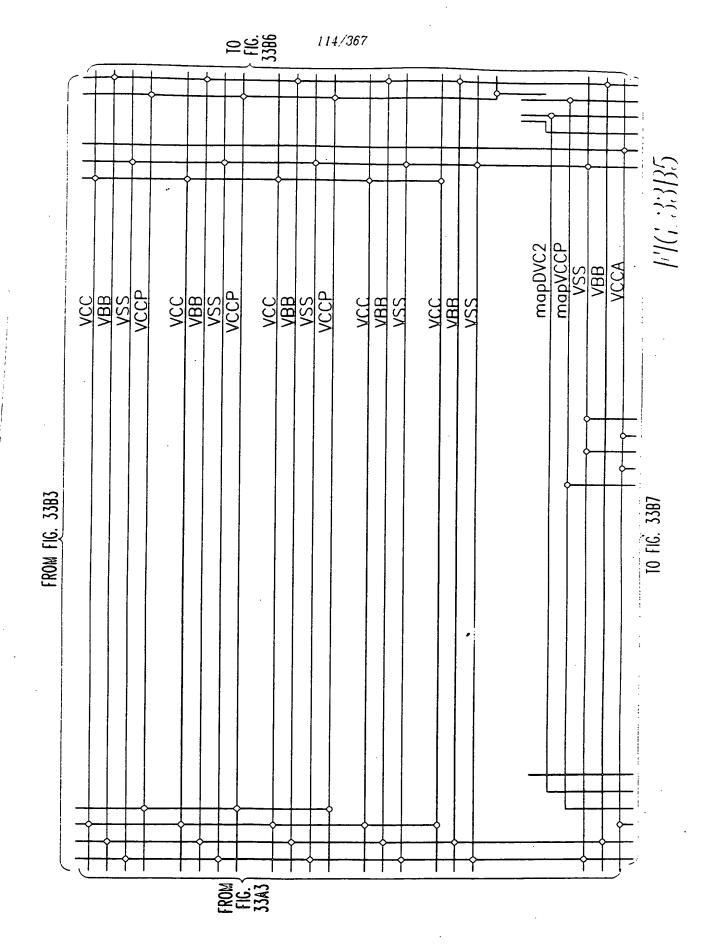
FIG 33A1

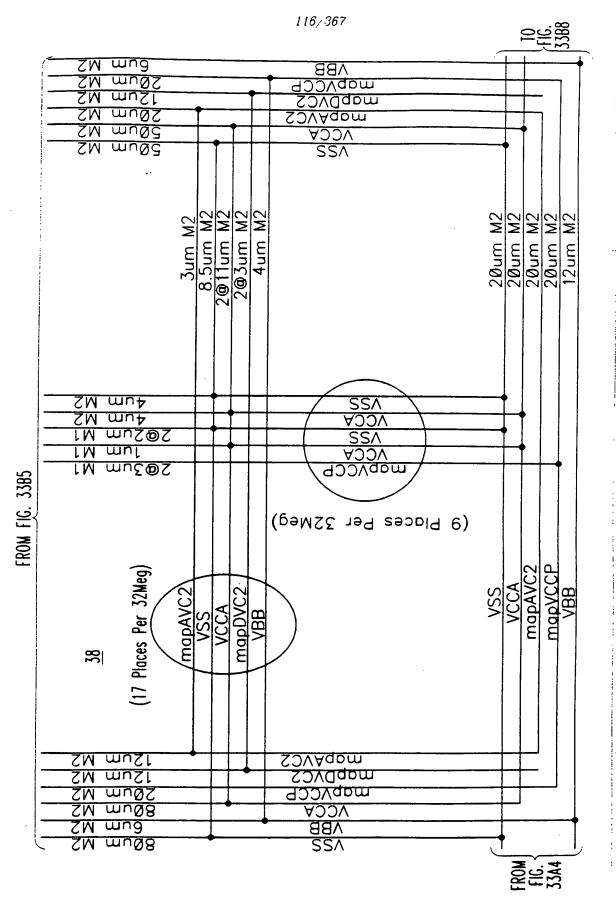




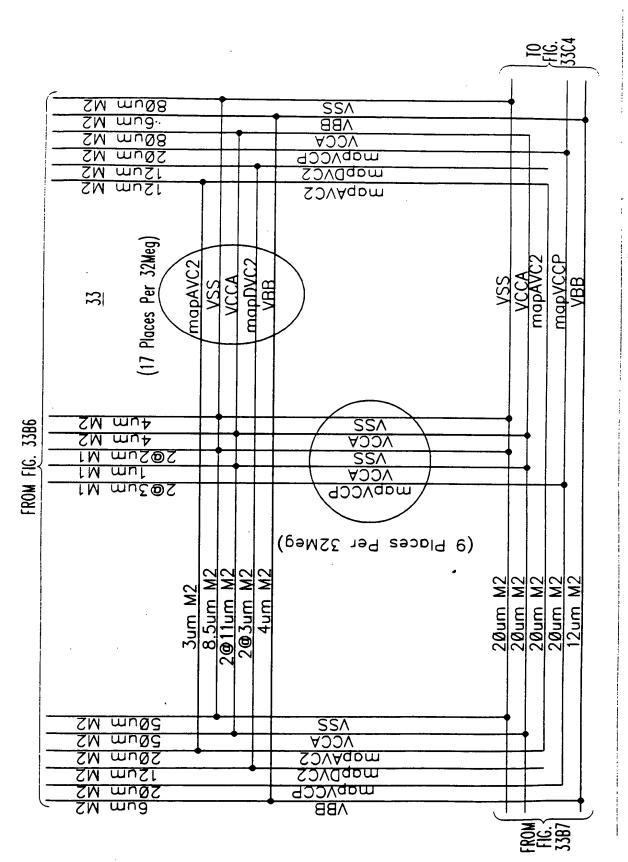








7888 DH

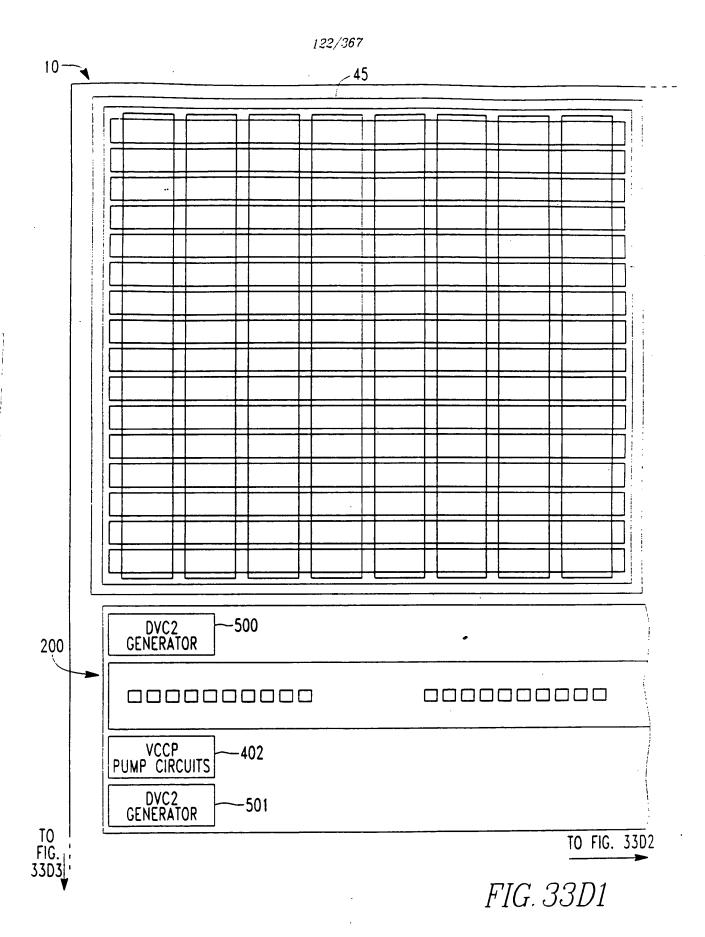


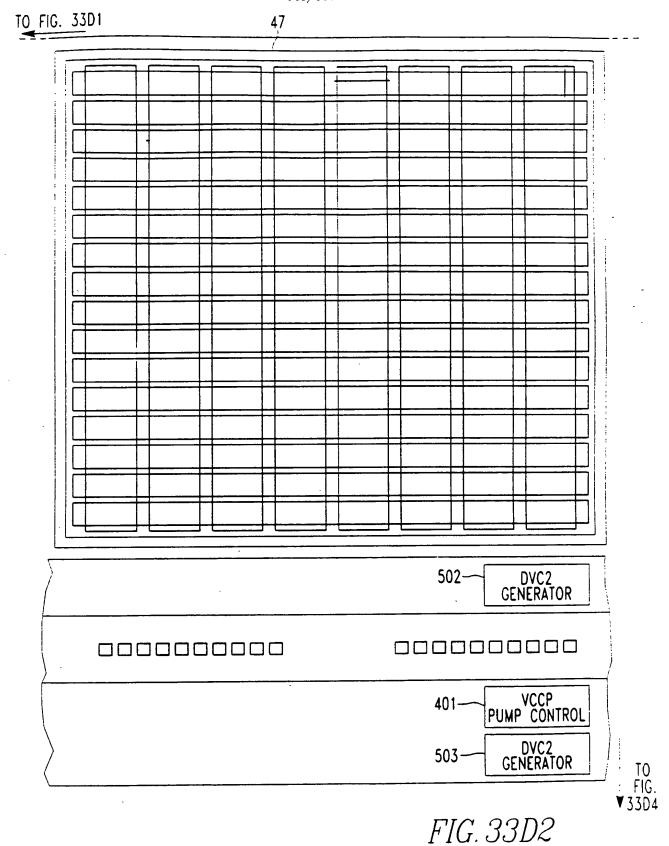
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-	8øum M2 3um M2 8øum M2 3um M2	80um M2 3um M2 80um M2 3um M2	80um M2 3um M2 80um M2 3um M2	24um M2 12um M2 26um M2	100um M2 9um M2 100um M2	20um M2 40um M2 100um M2 12um M2 60um M2	FIG 33(3)
	VCC VBB VSS VCCP	VCC VBB VSS VCCP	VCC VBB VSS VCCP	VCC VBB VSS	VCC VBB VSS	mapDVC2 mapVCCP VSS VBB VCCA	÷
FROM FIG. 33C2						TO FIG. 33C4	
					-		
(- 1177		988	TT		<u> </u>	

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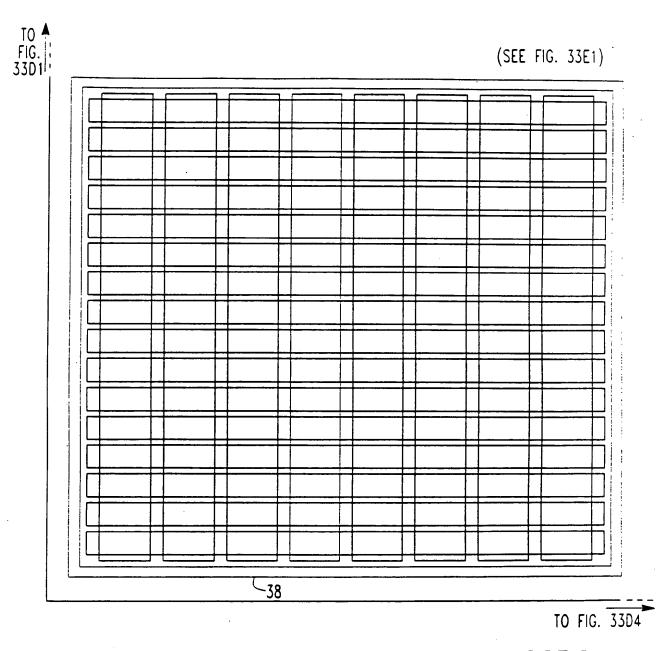


FIG. 33D3

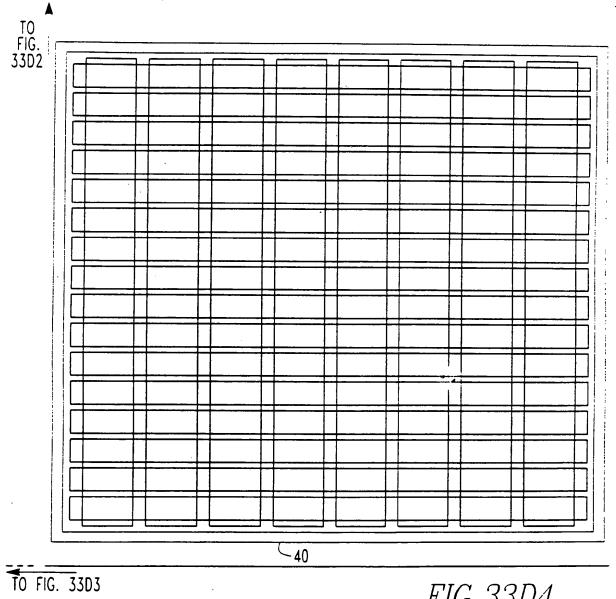


FIG. 33D4

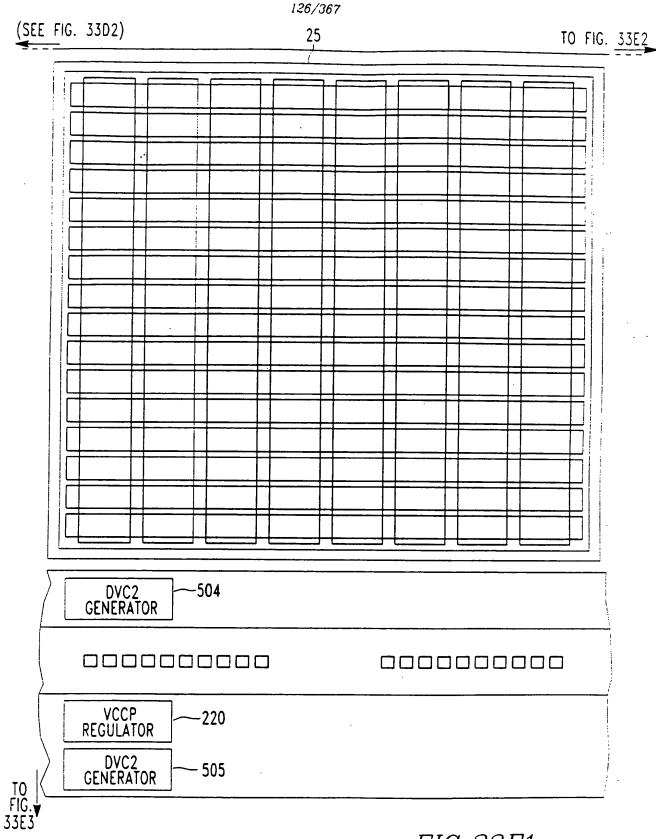
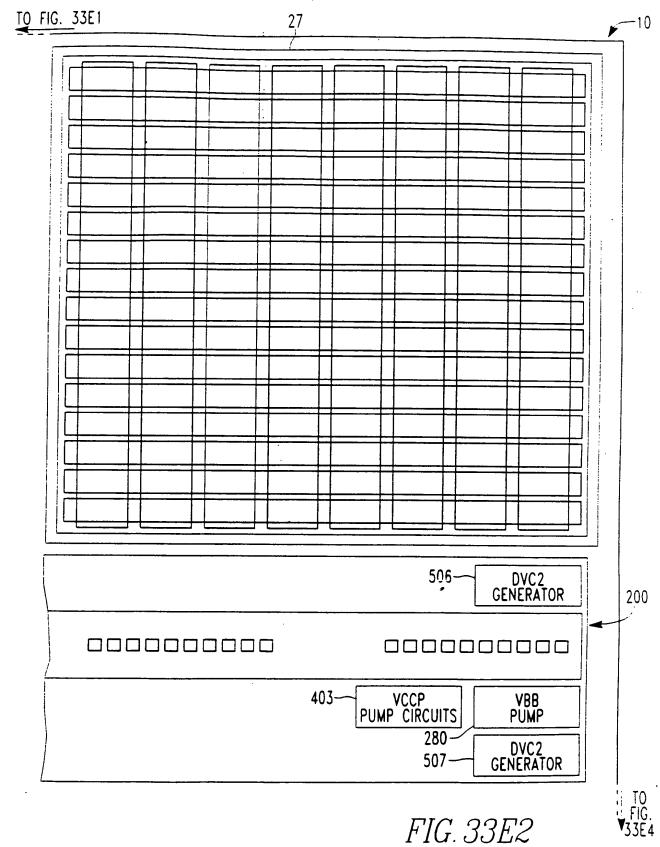


FIG. 33E1



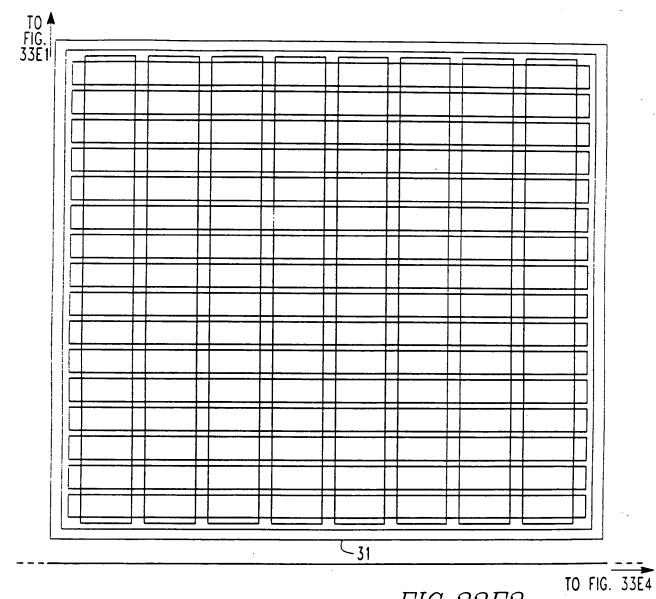
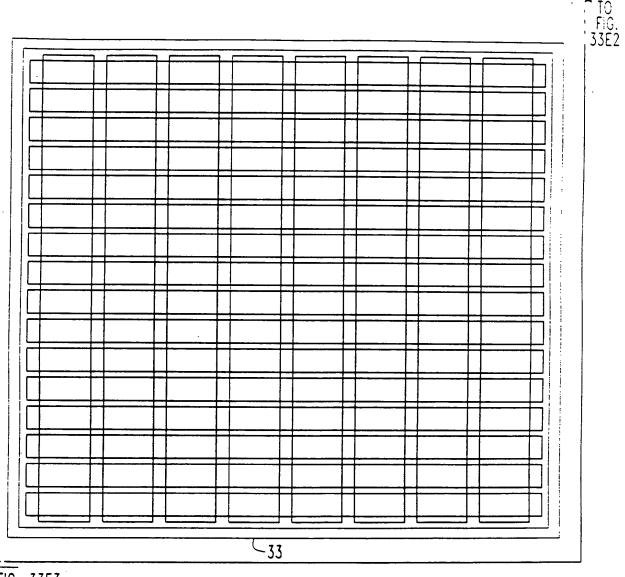
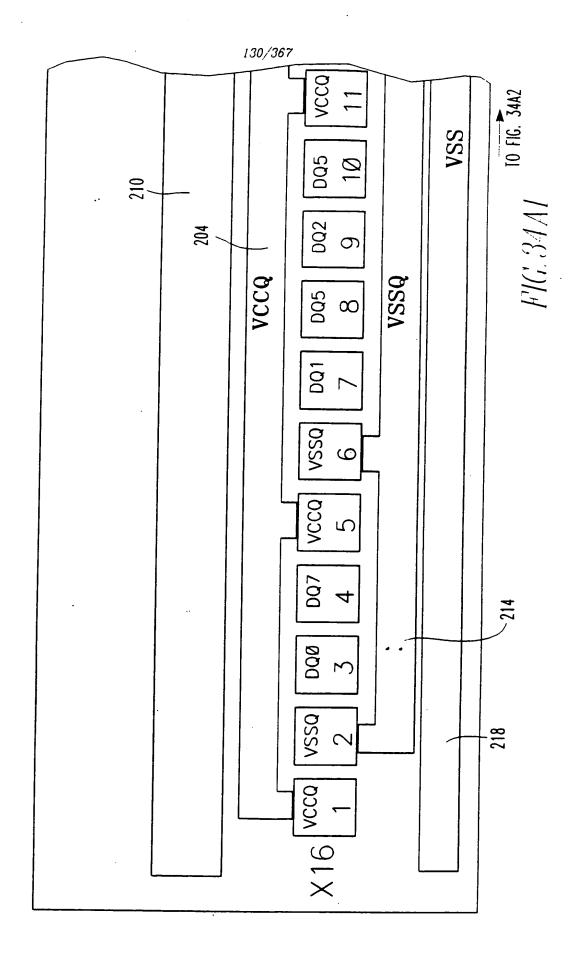


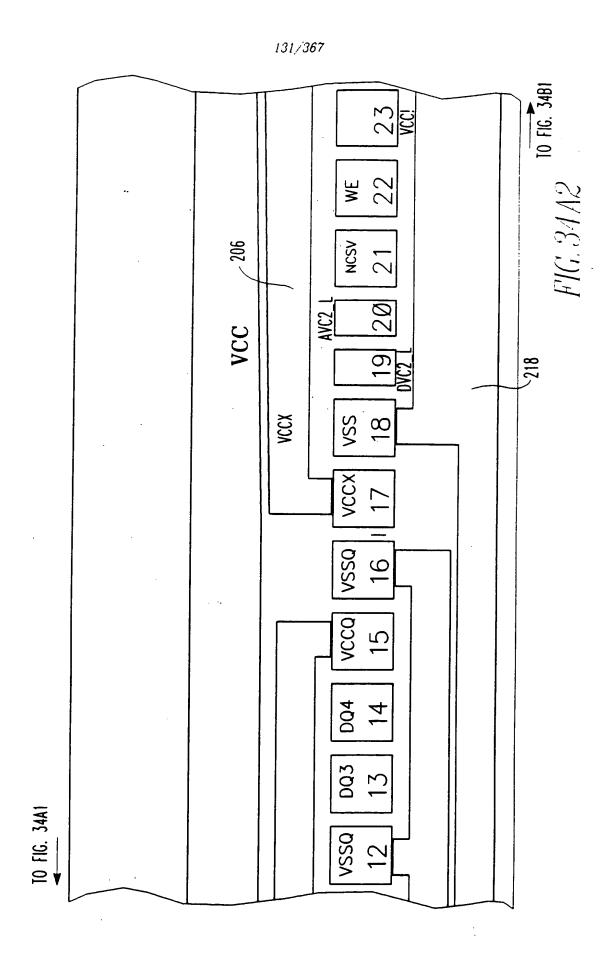
FIG. 33E3

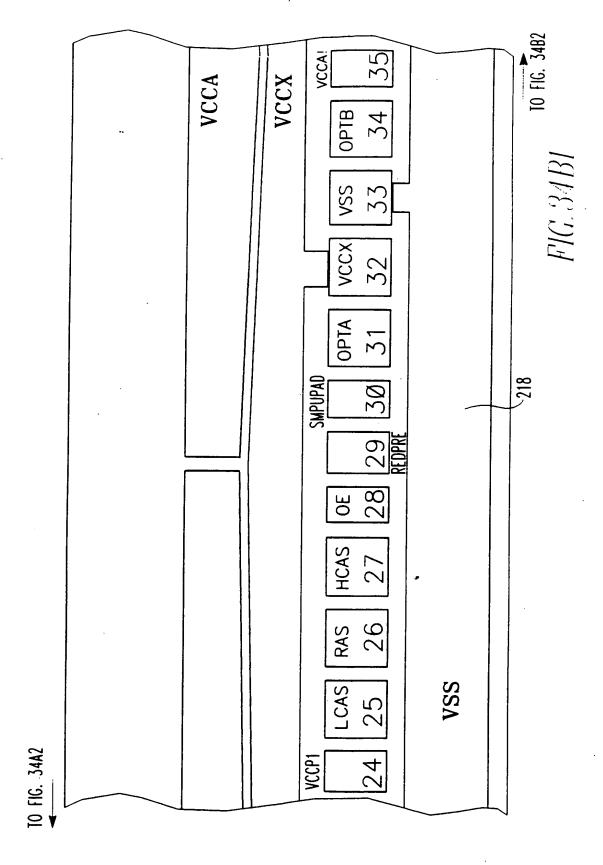


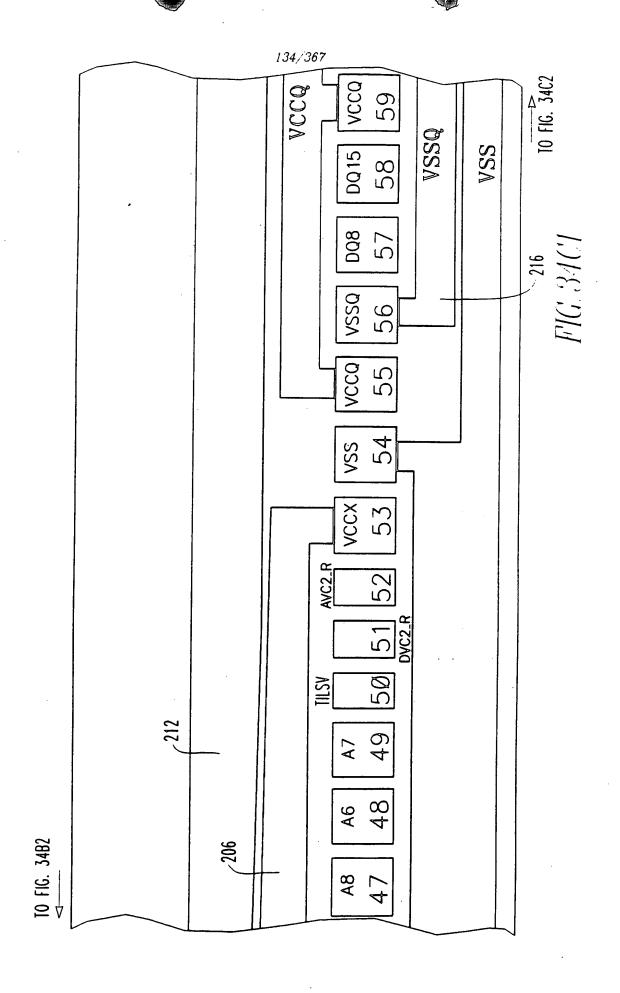
TO FIG. 33E3

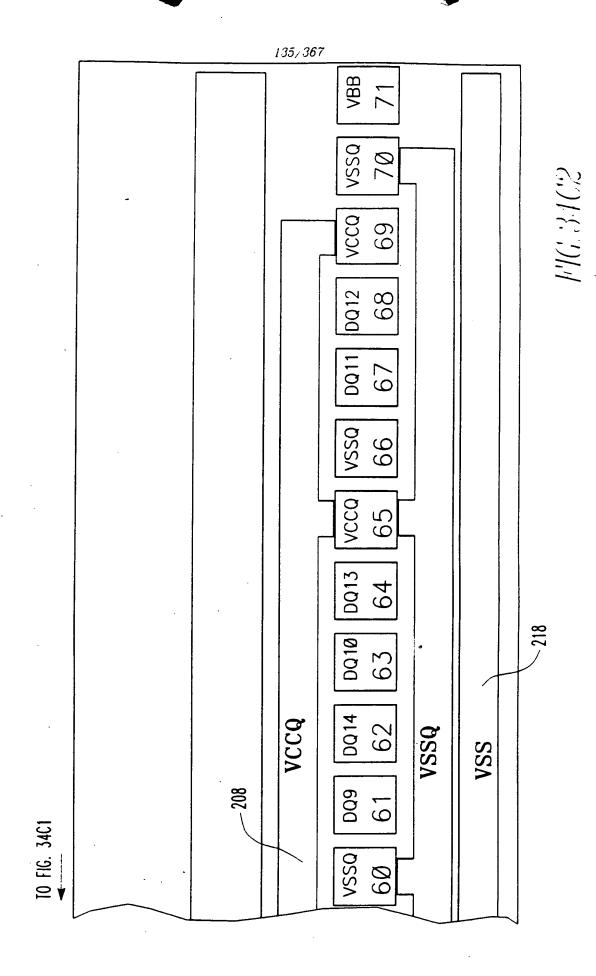
FIG. 33E4

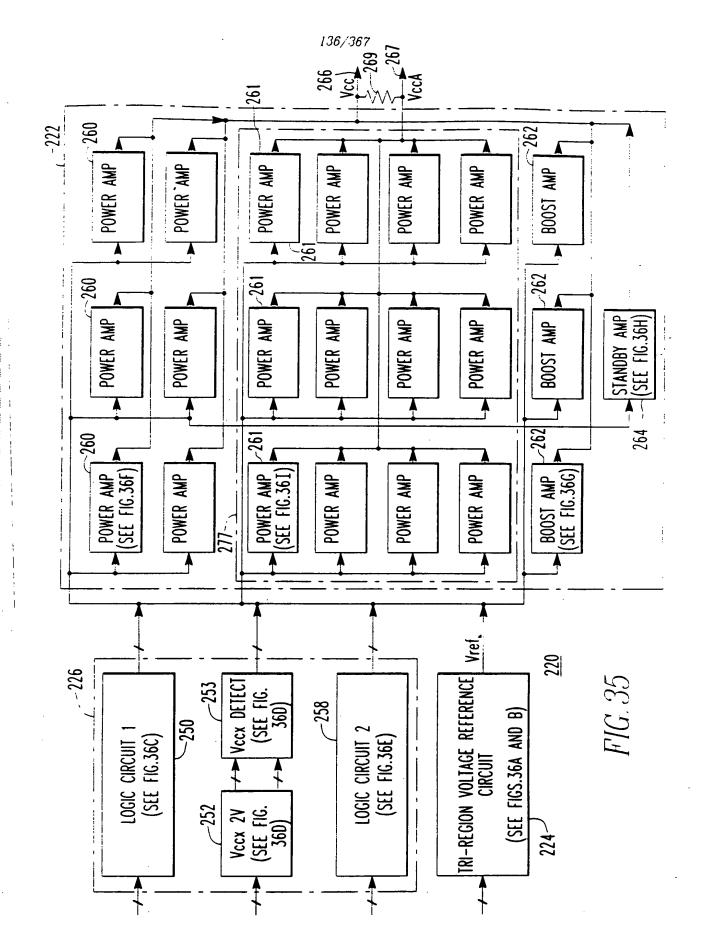












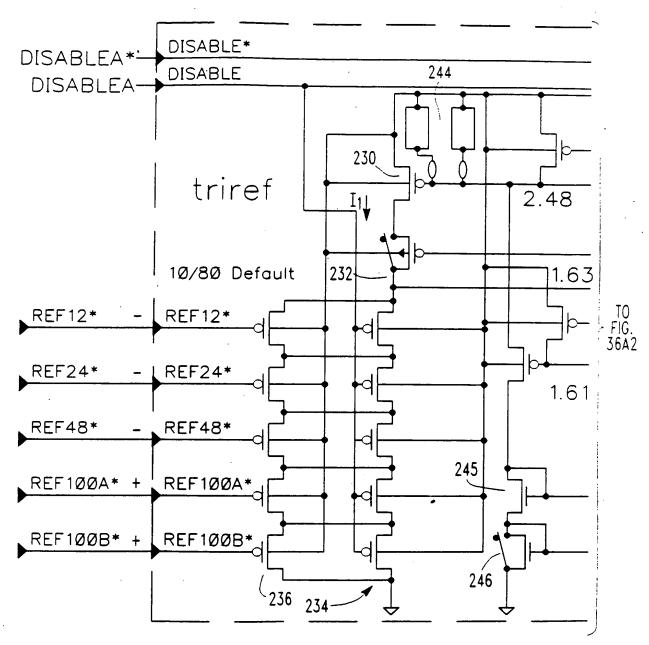


FIG. 36A1

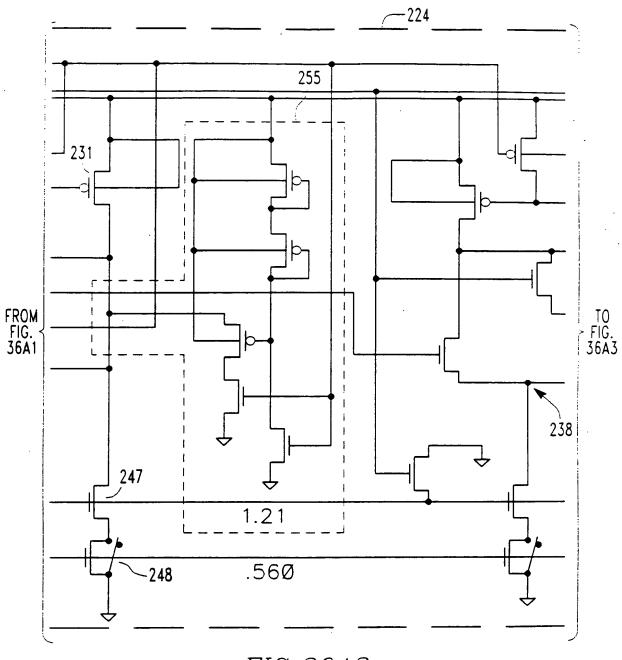


FIG. 36A2

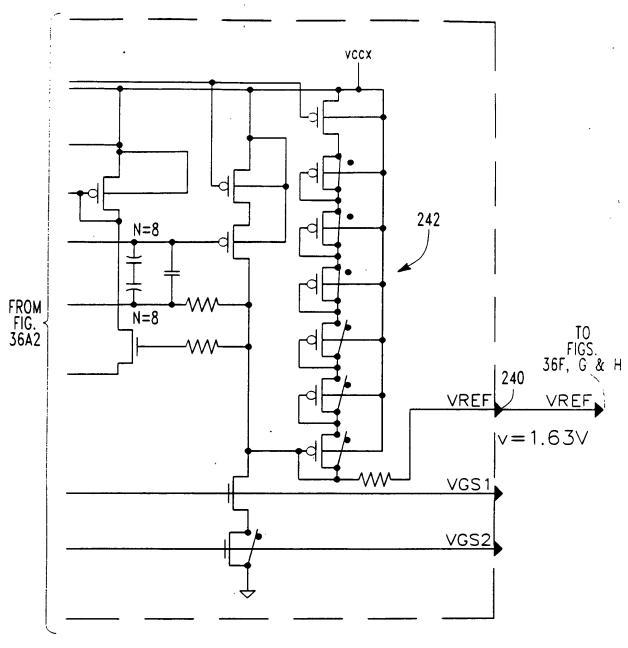


FIG. 36A3

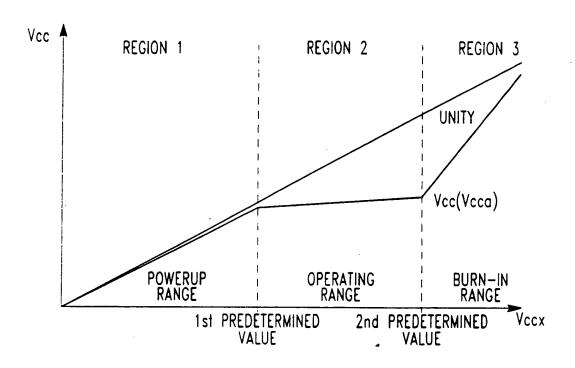


FIG. 36B

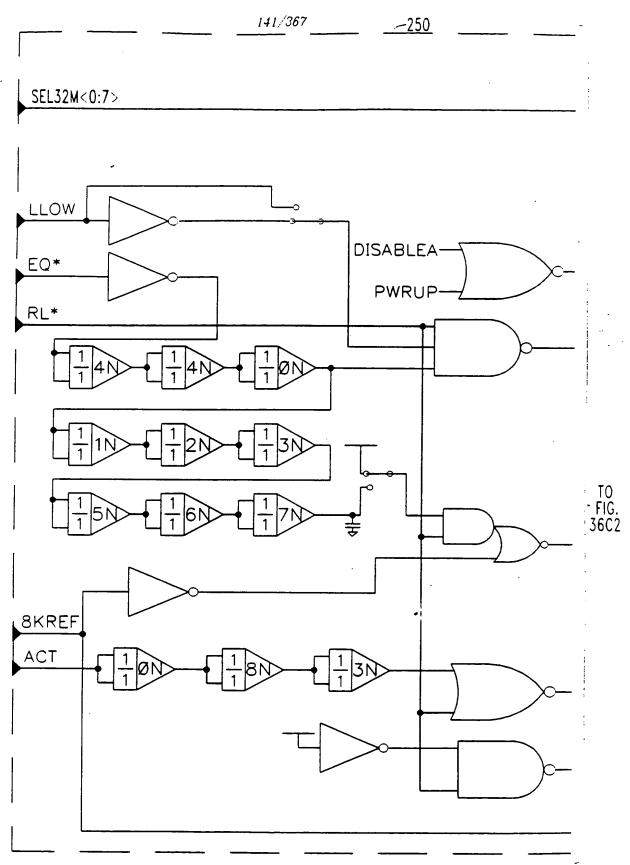
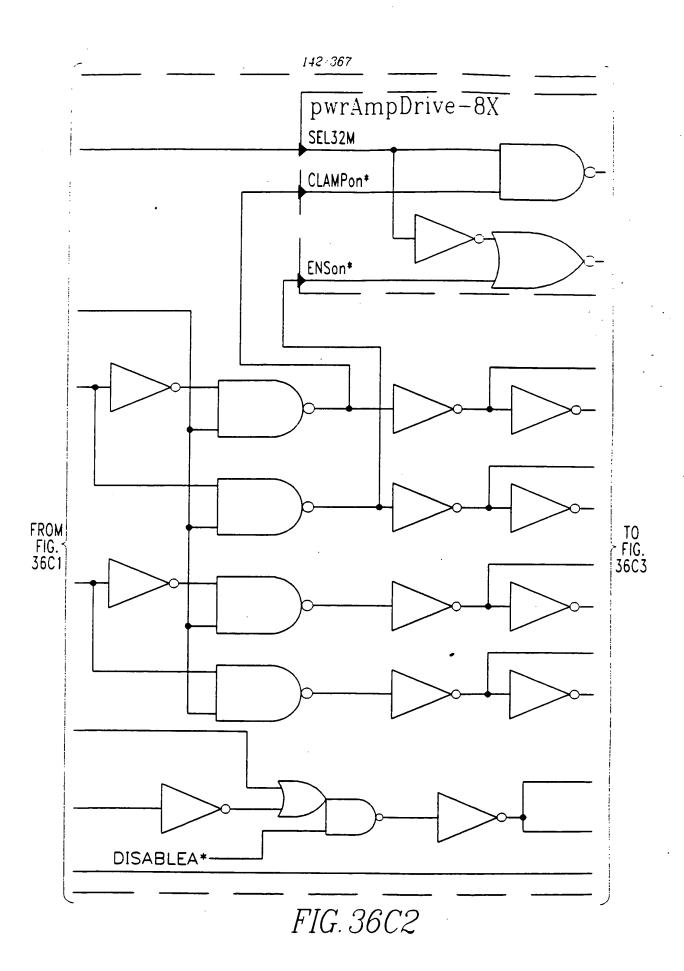
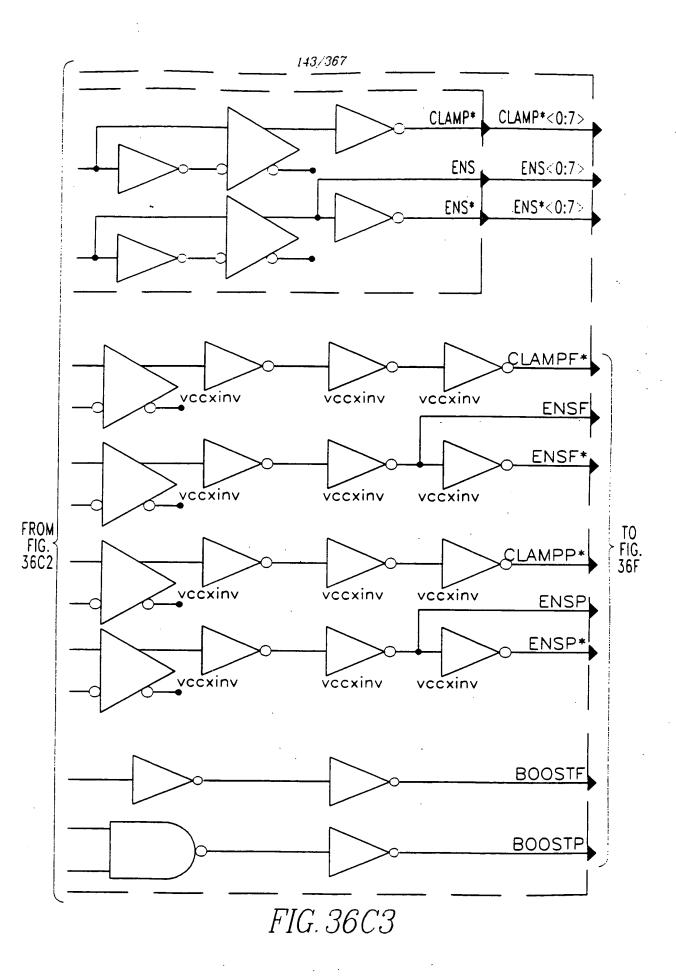
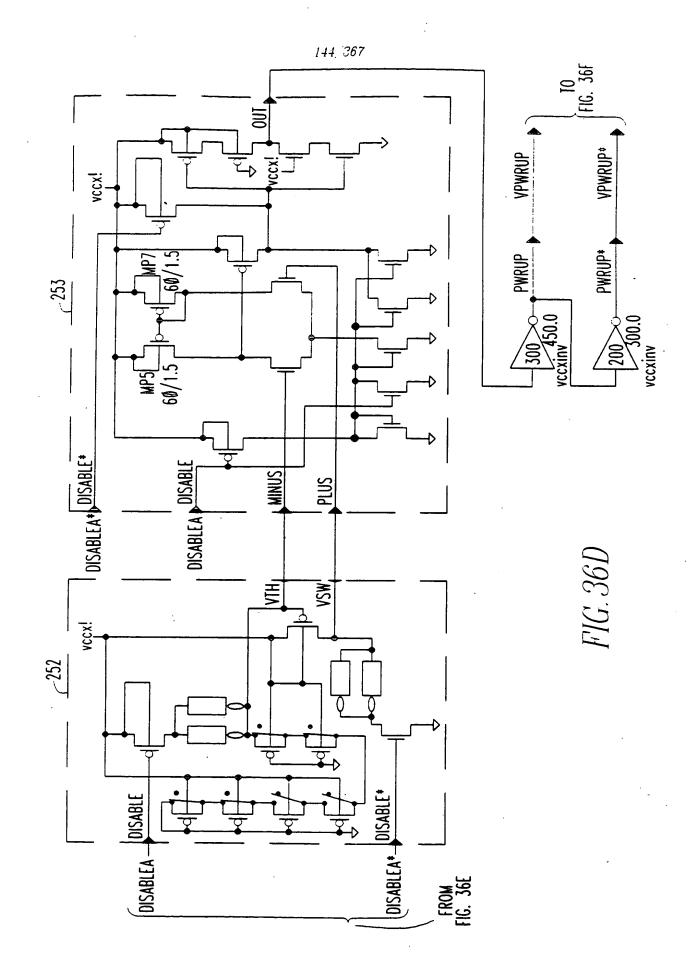
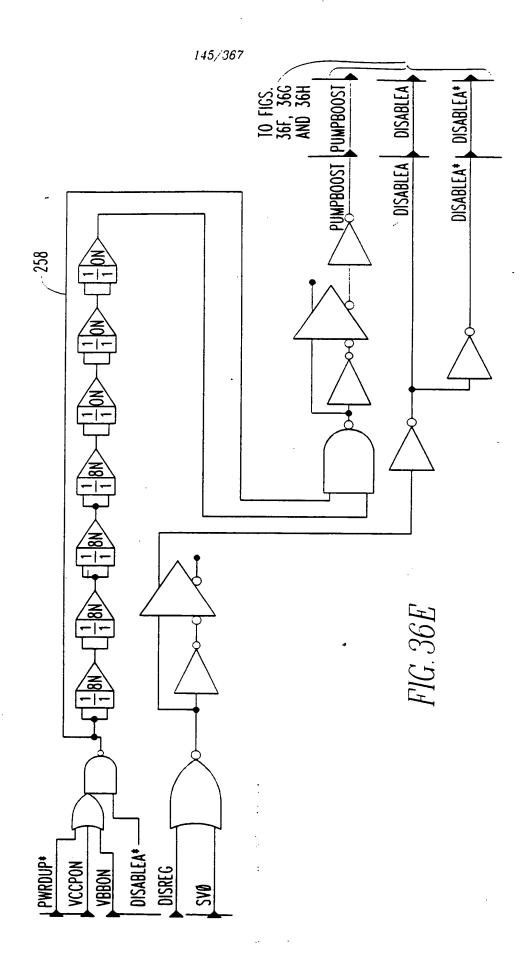


FIG. 36C1

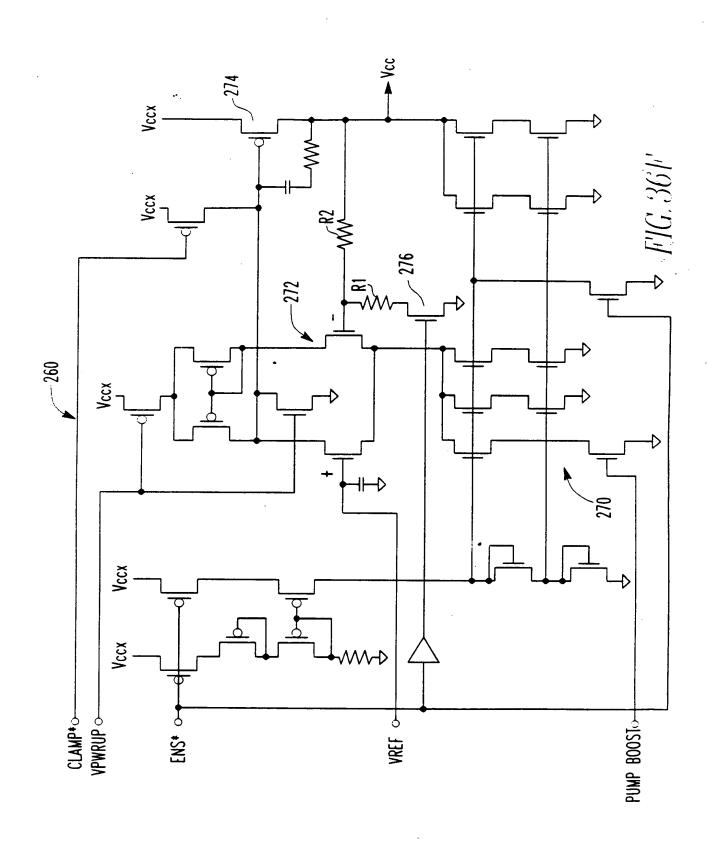


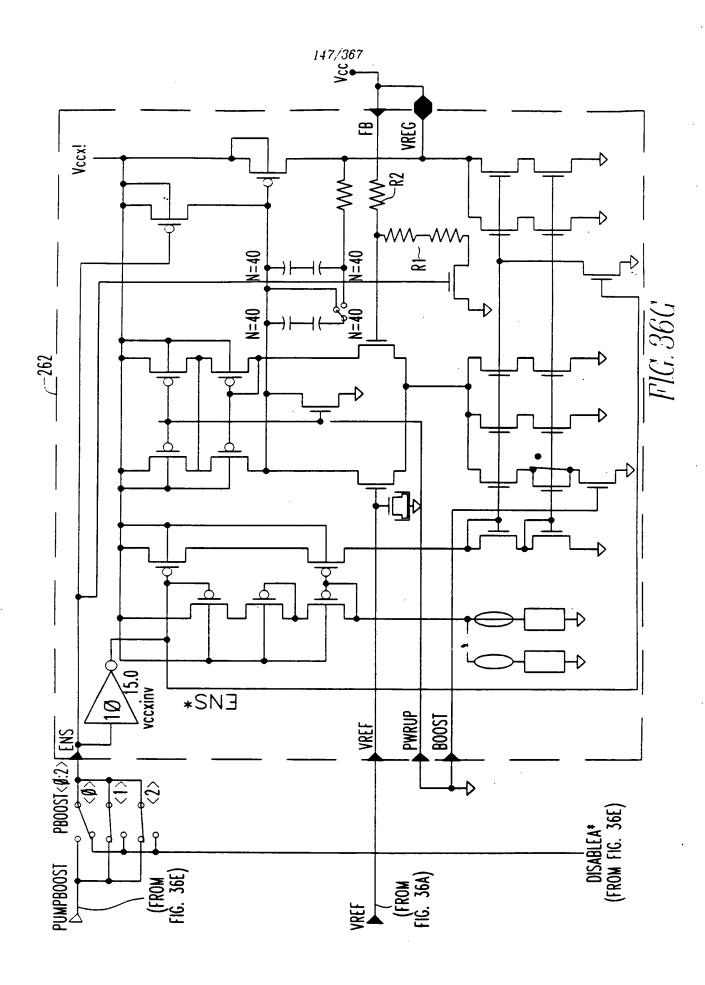


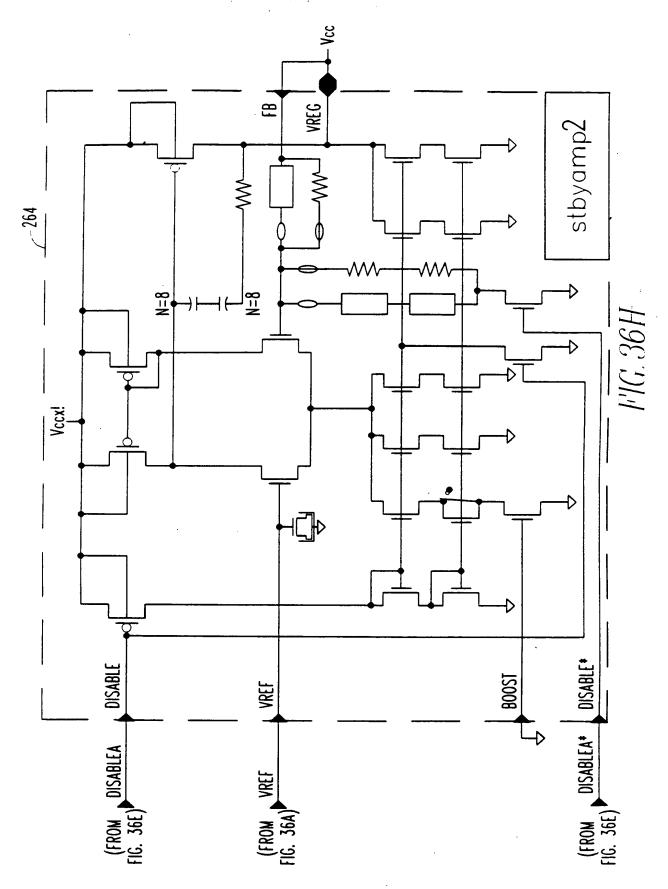


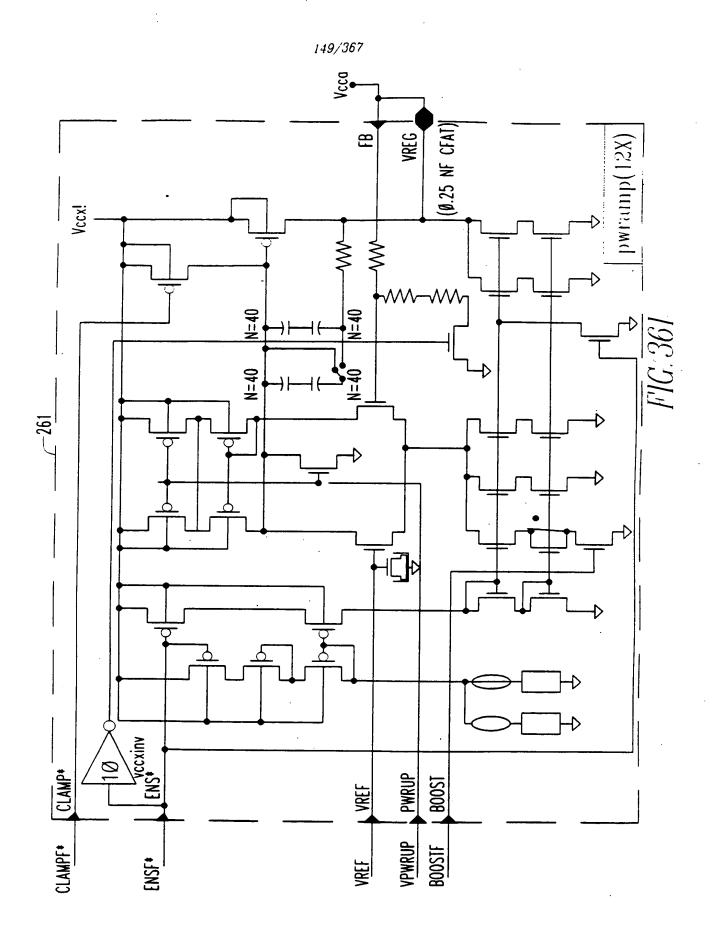


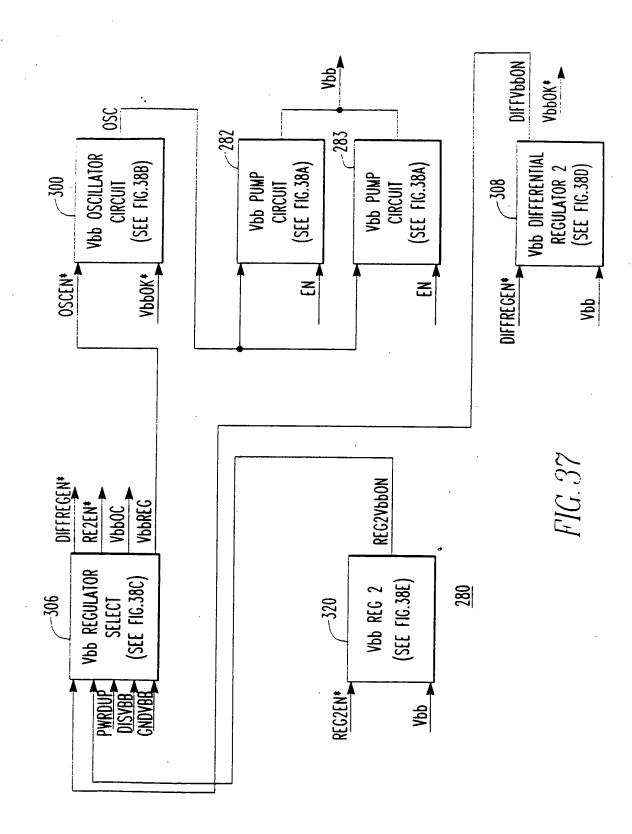


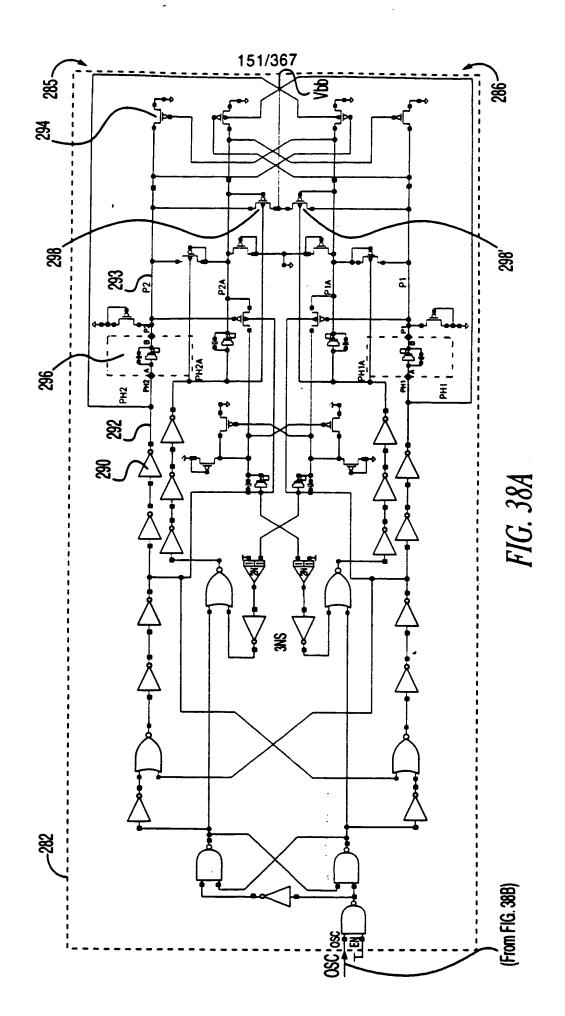


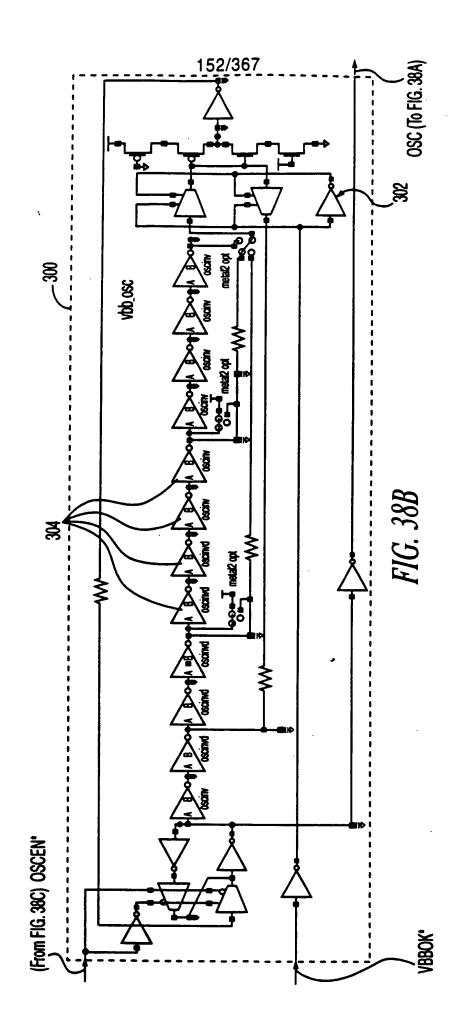


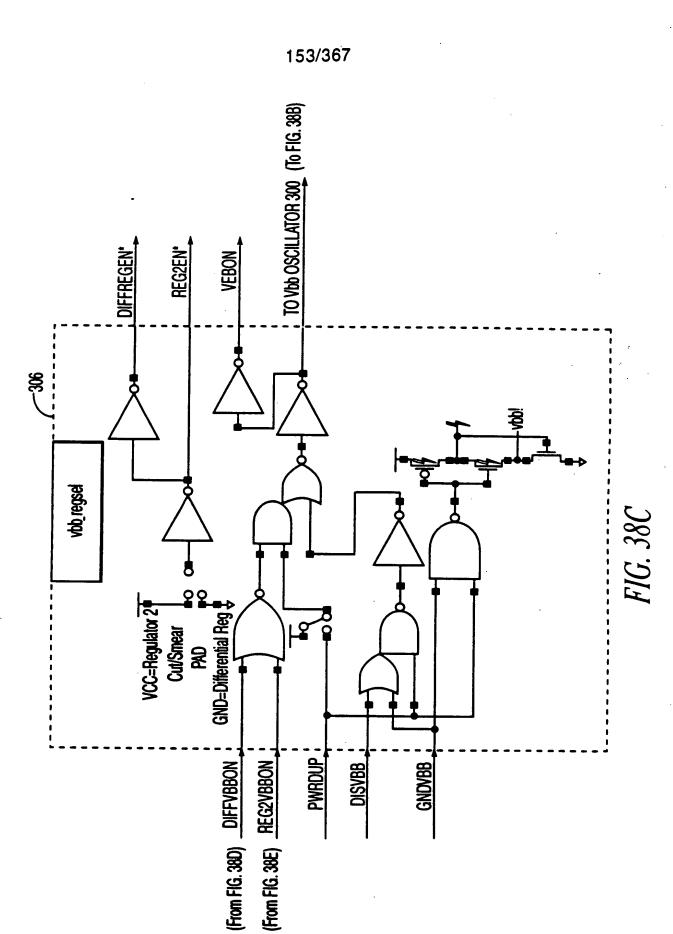


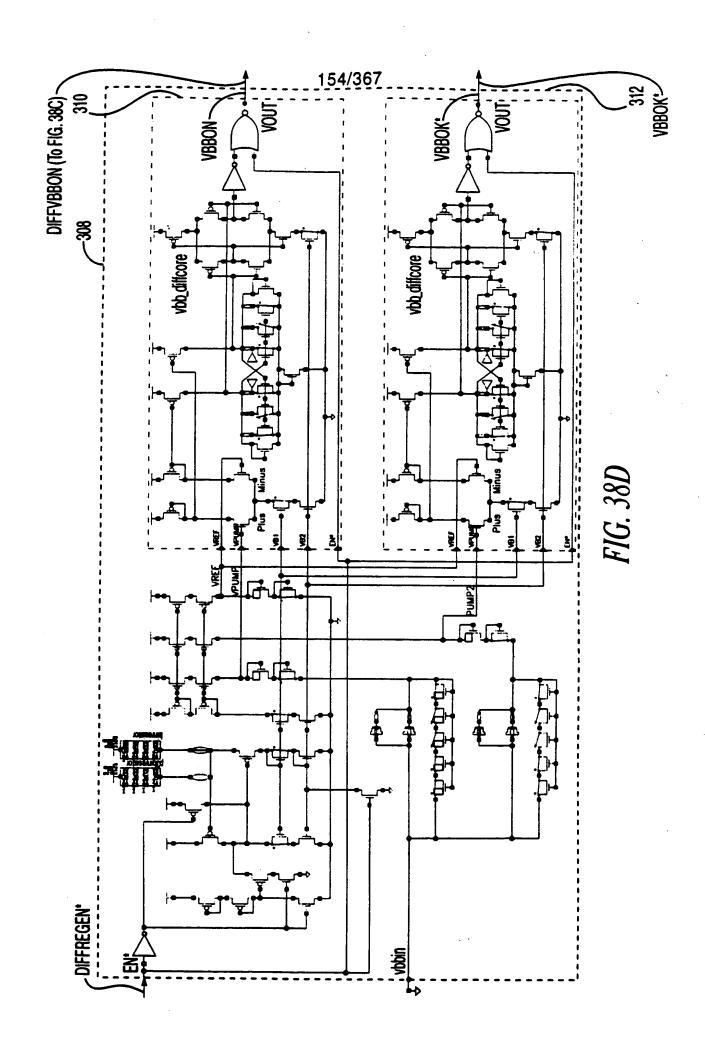


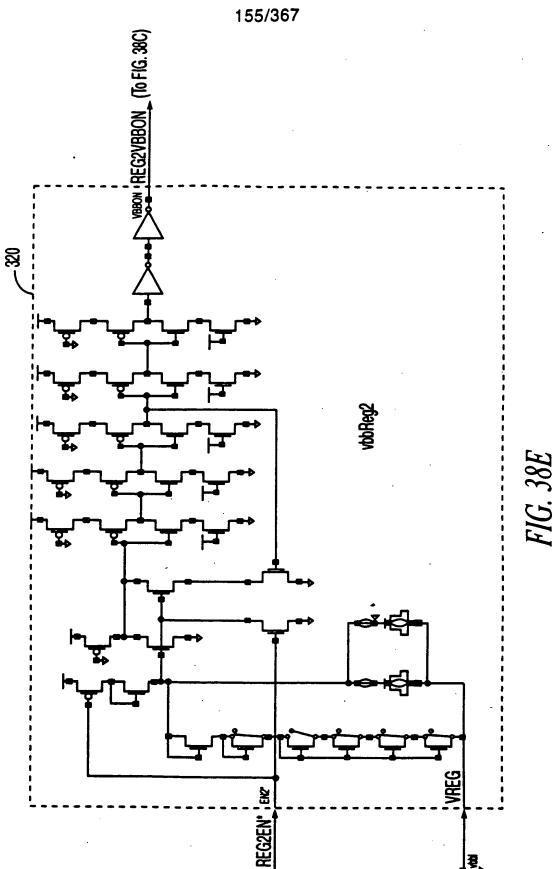


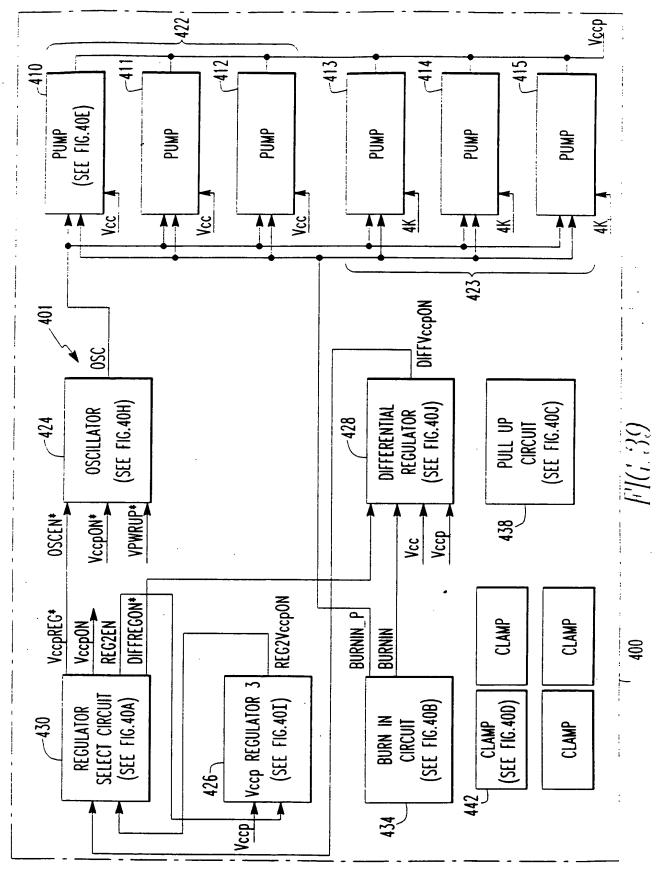












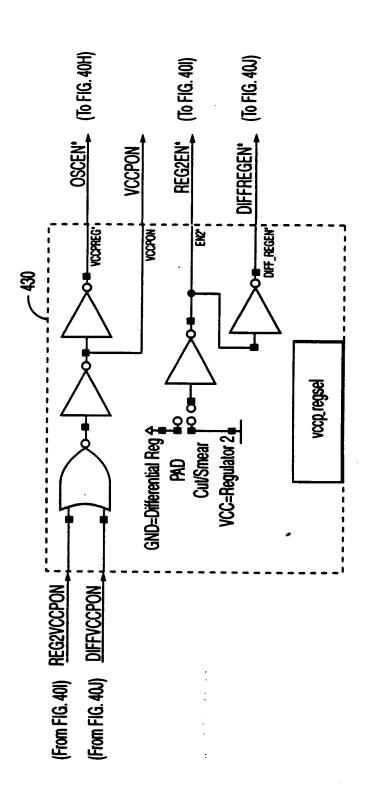
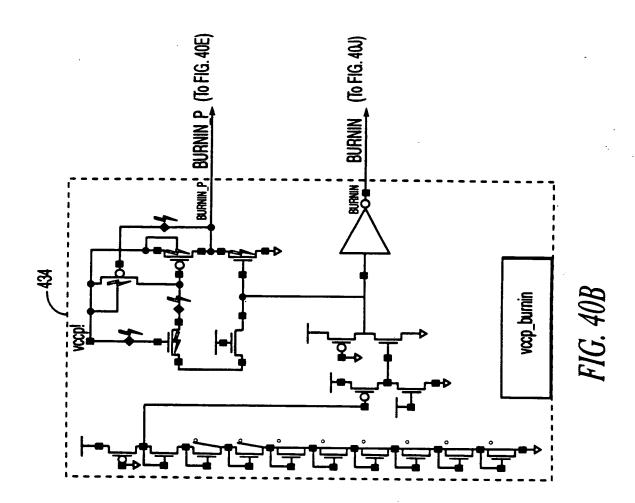
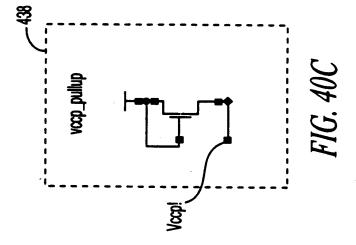
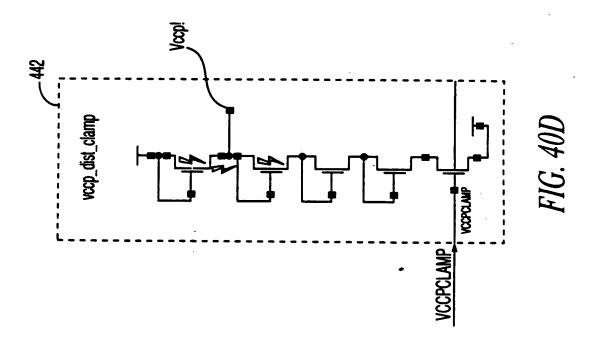


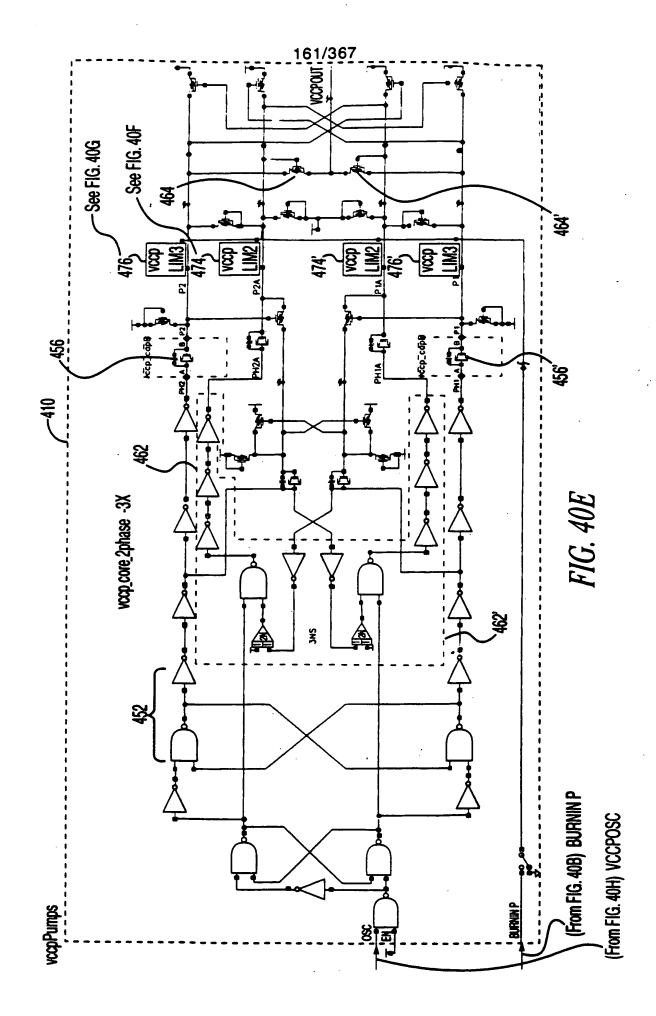
FIG. 40/

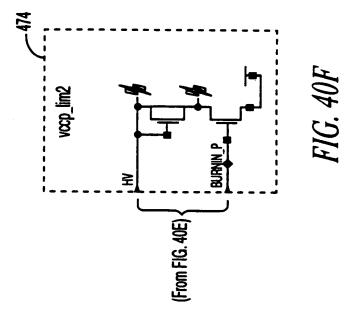


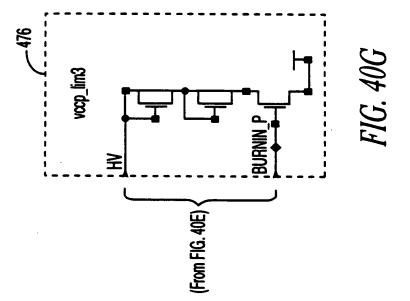


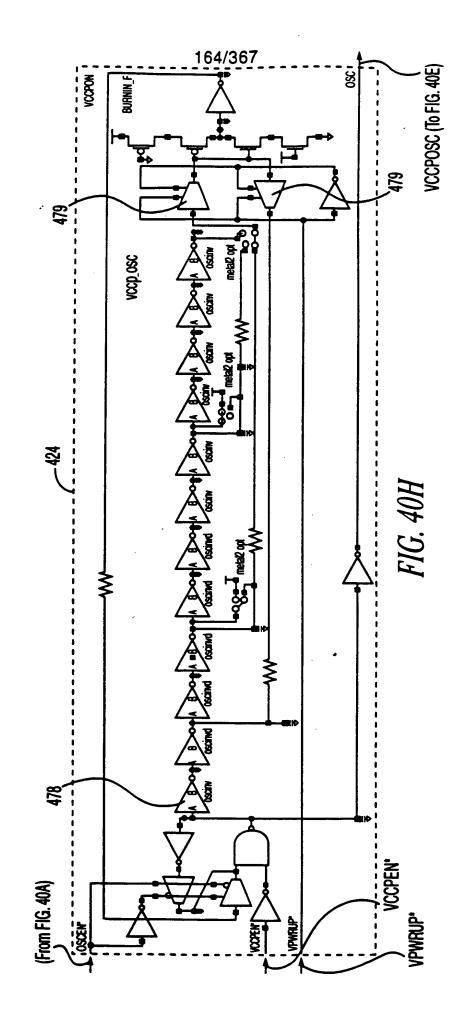


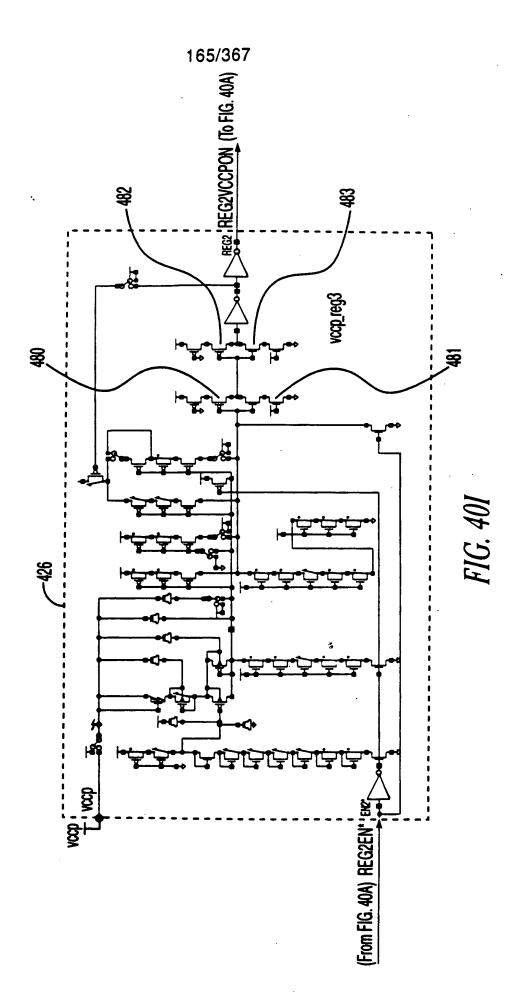












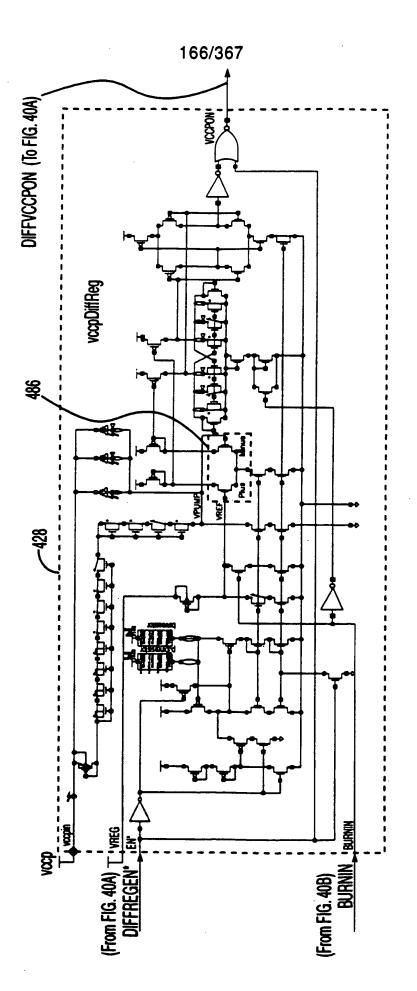
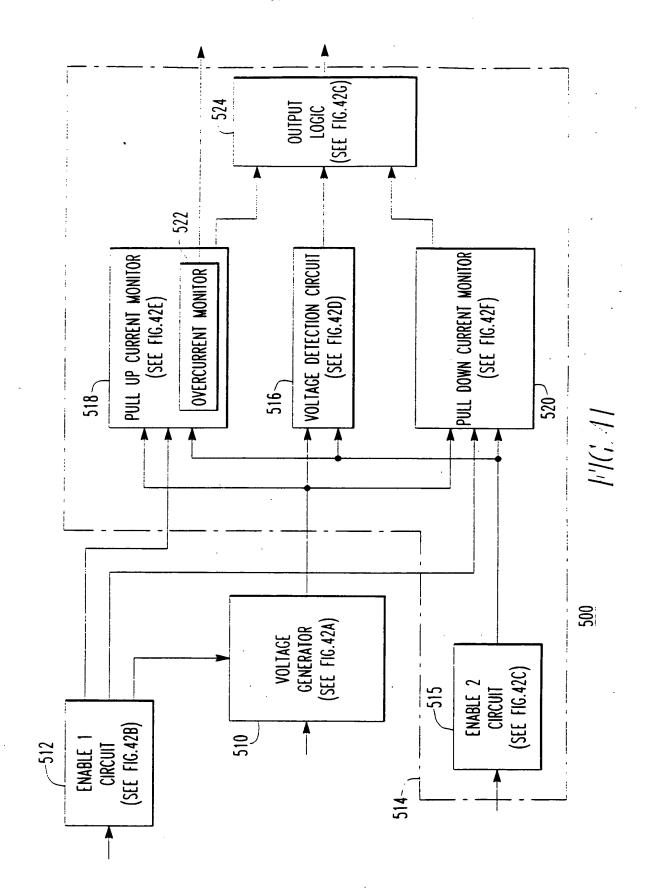
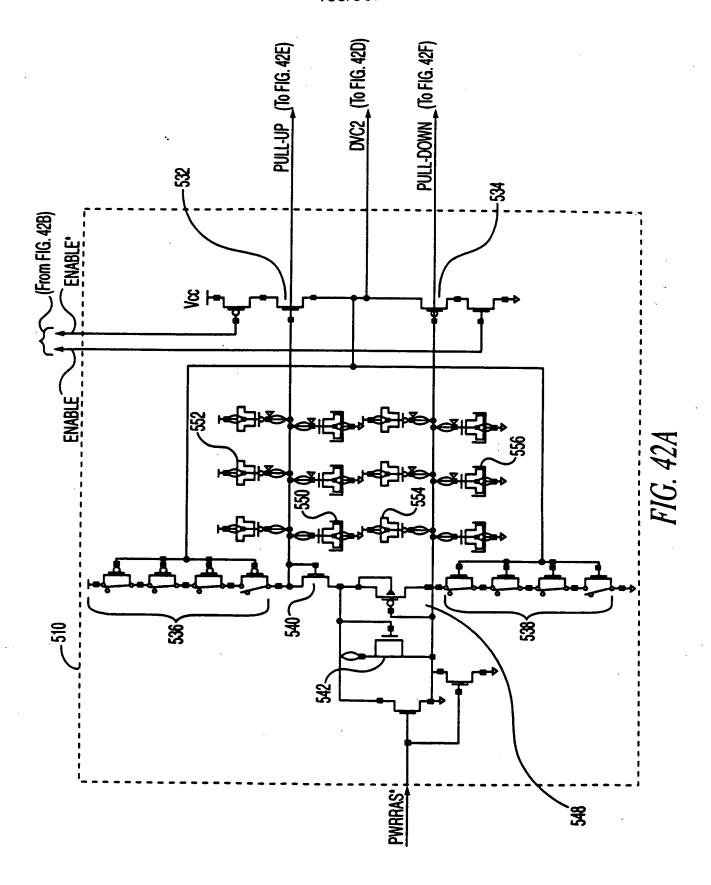


FIG. 40J





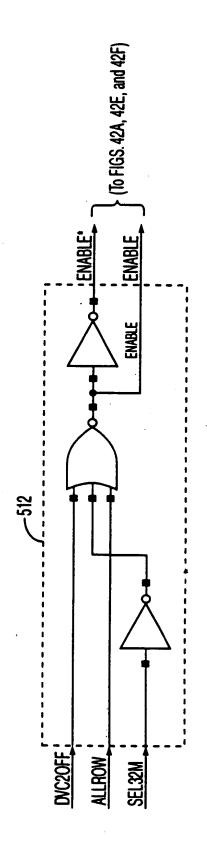


FIG. 42B

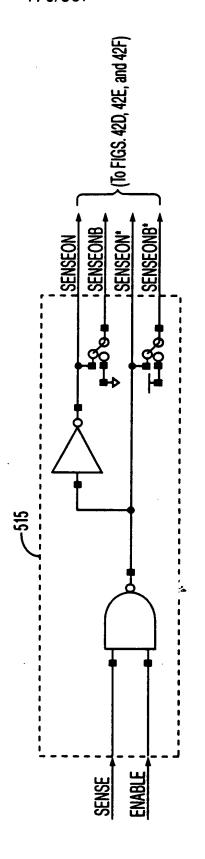
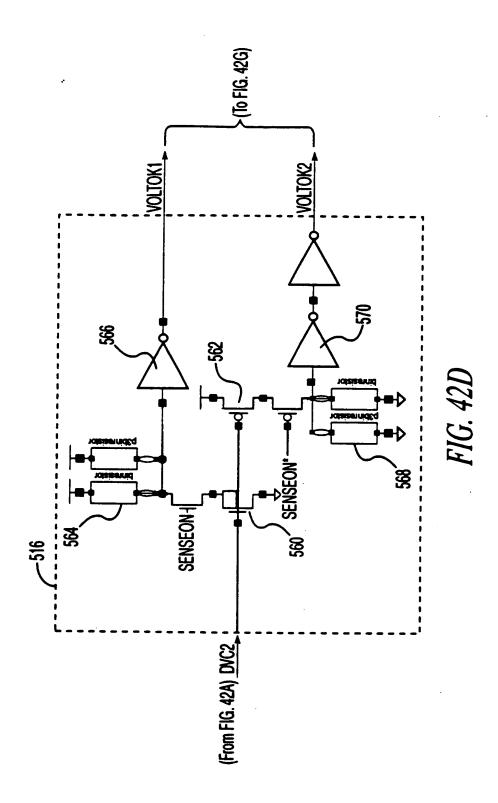
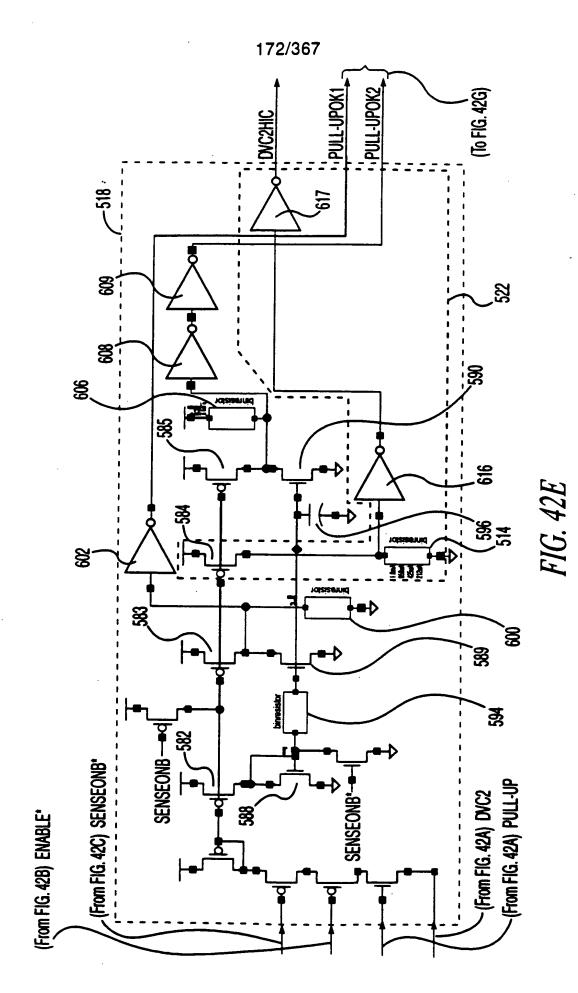
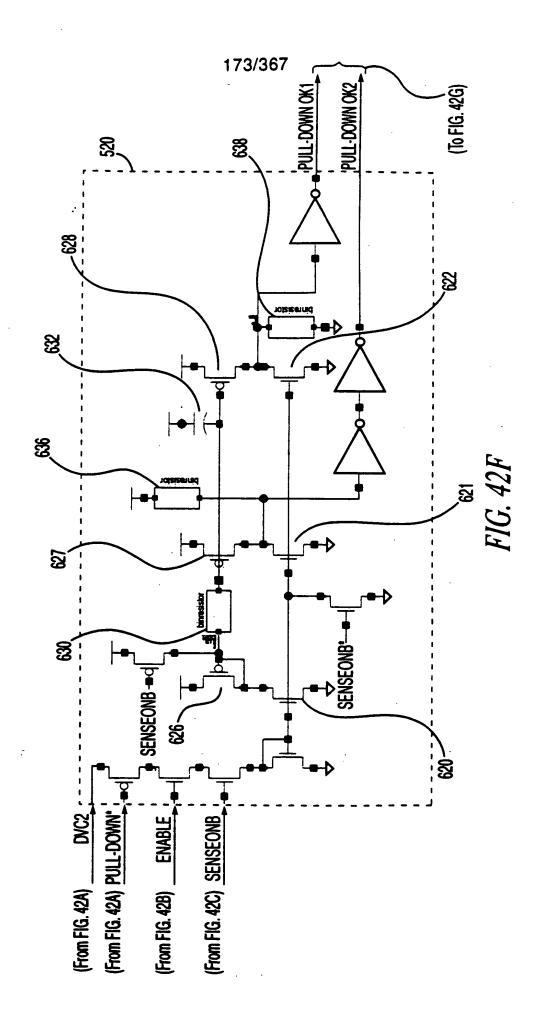


FIG. 42C







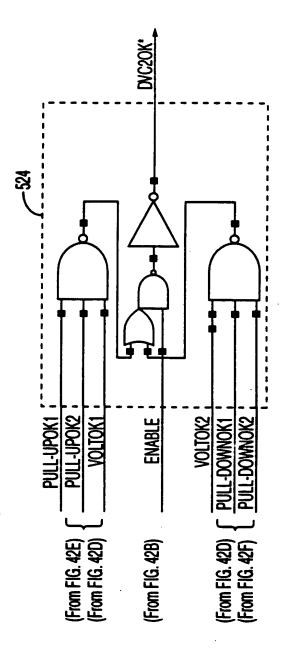
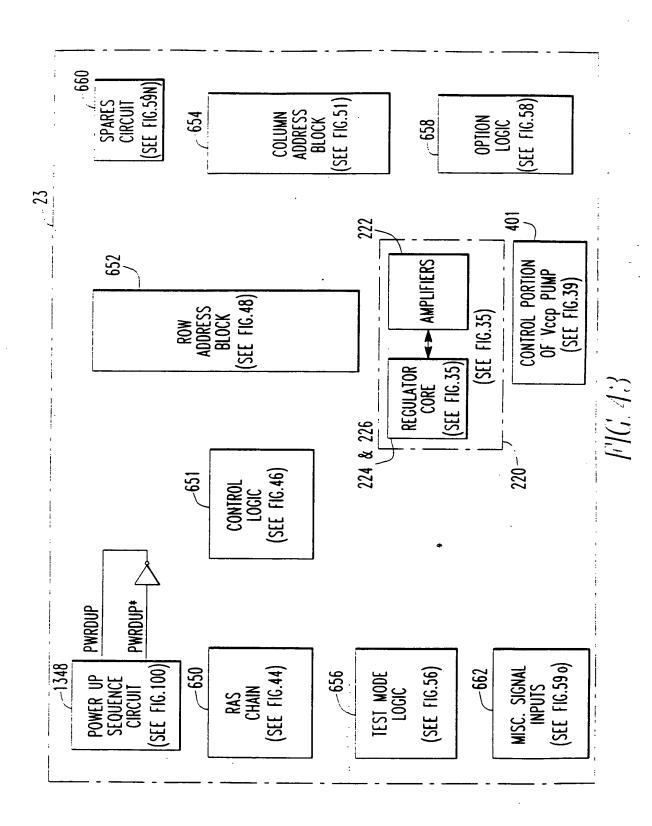


FIG. 42G



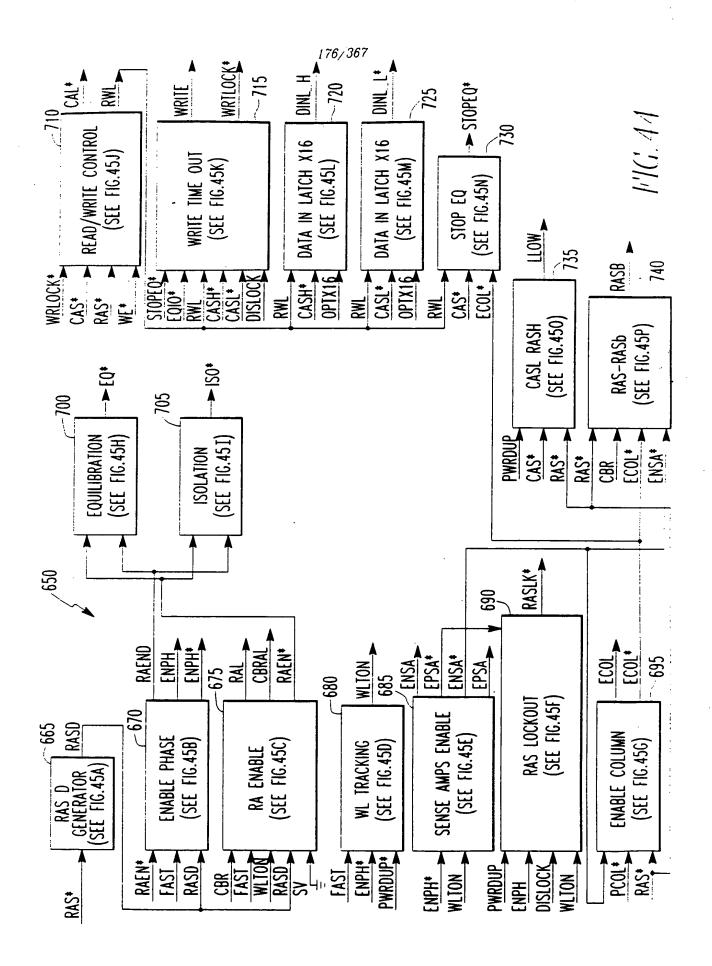
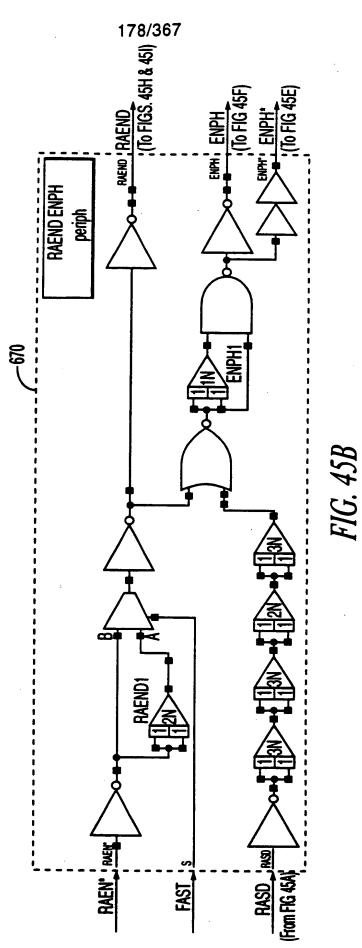
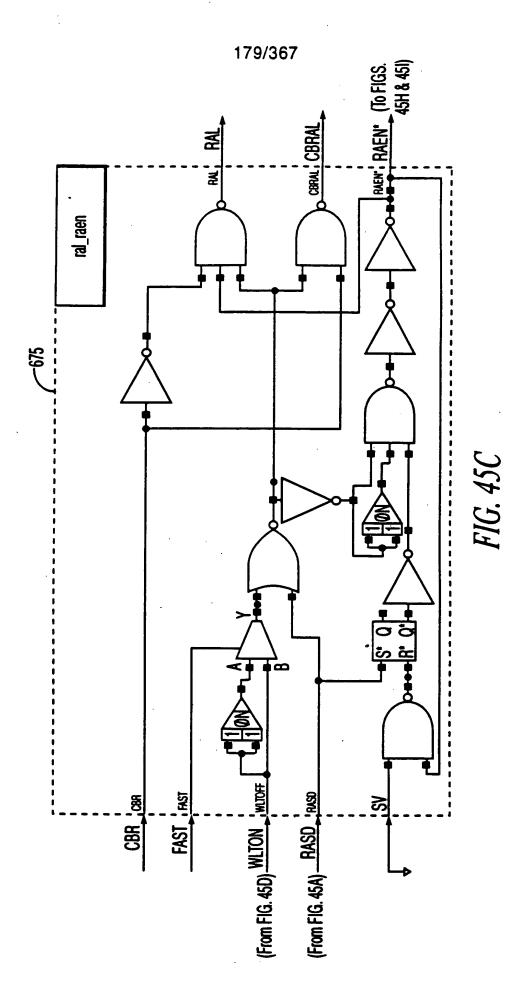
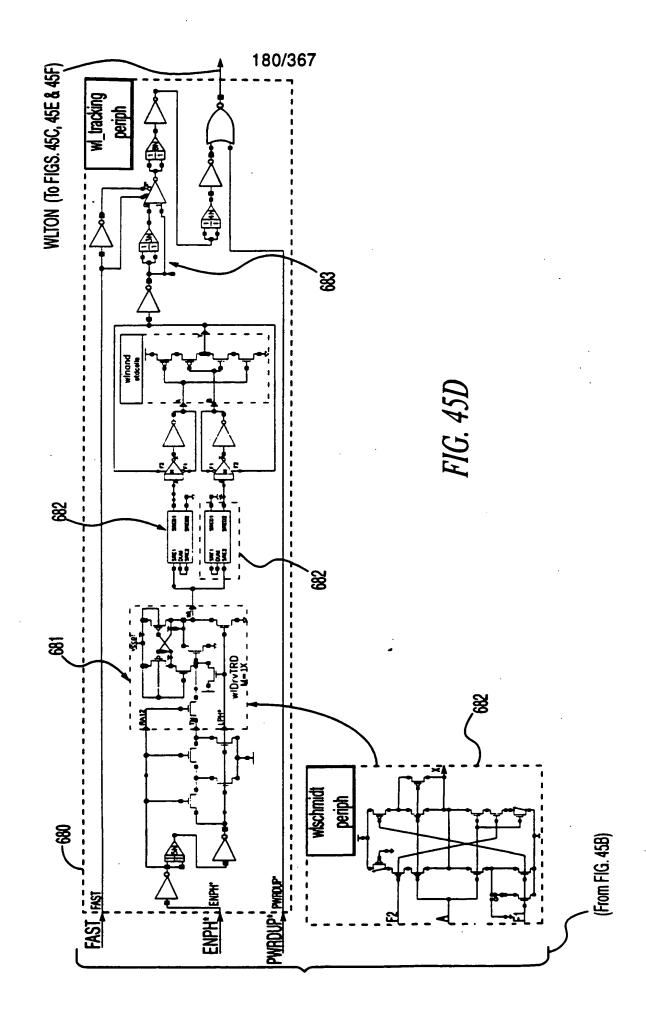
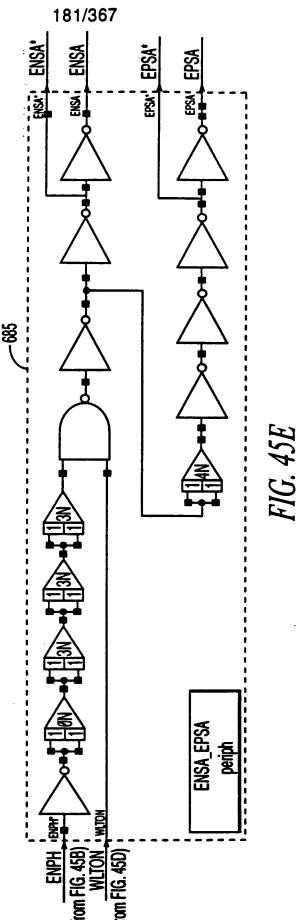


FIG. 45A









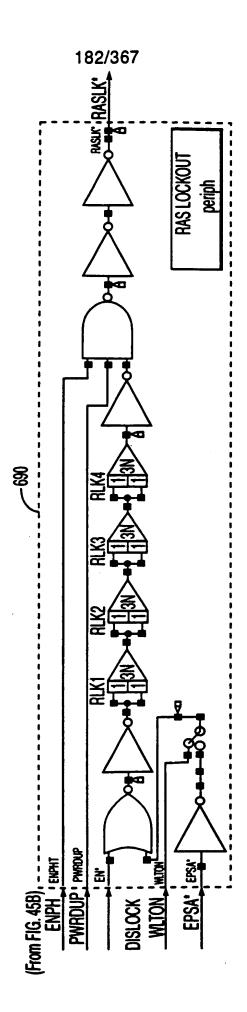


FIG. 45F

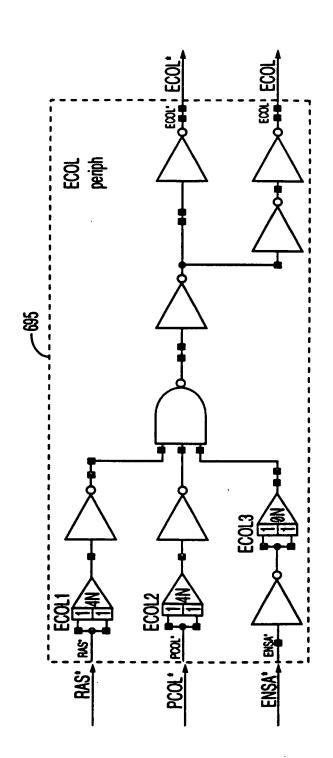


FIG. 45G

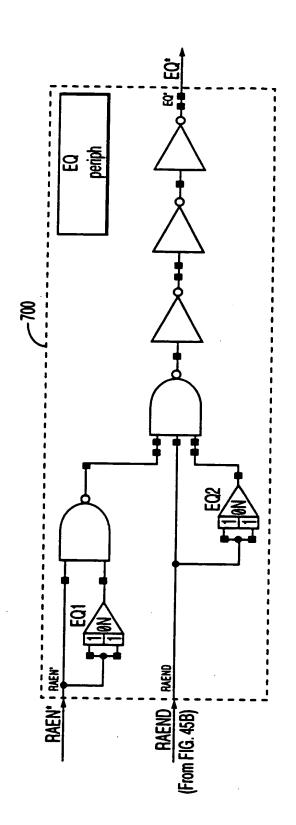


FIG. 45H

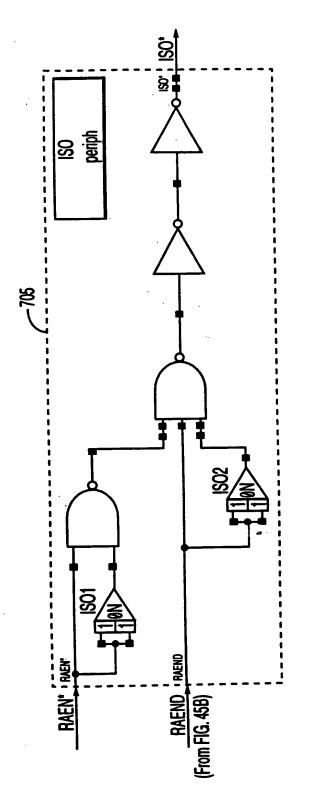


FIG. 451

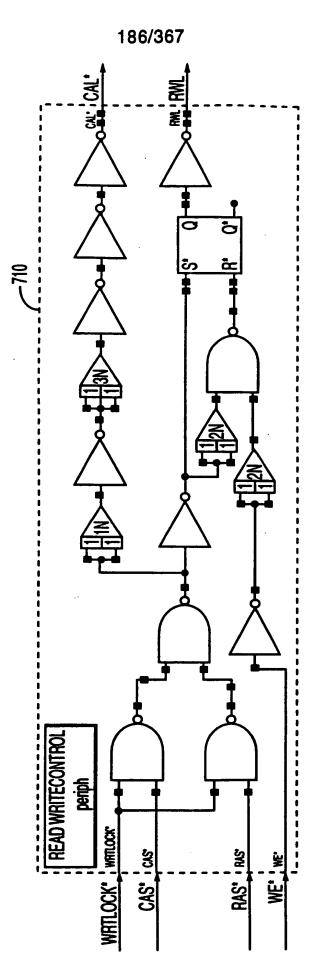


FIG. 45J

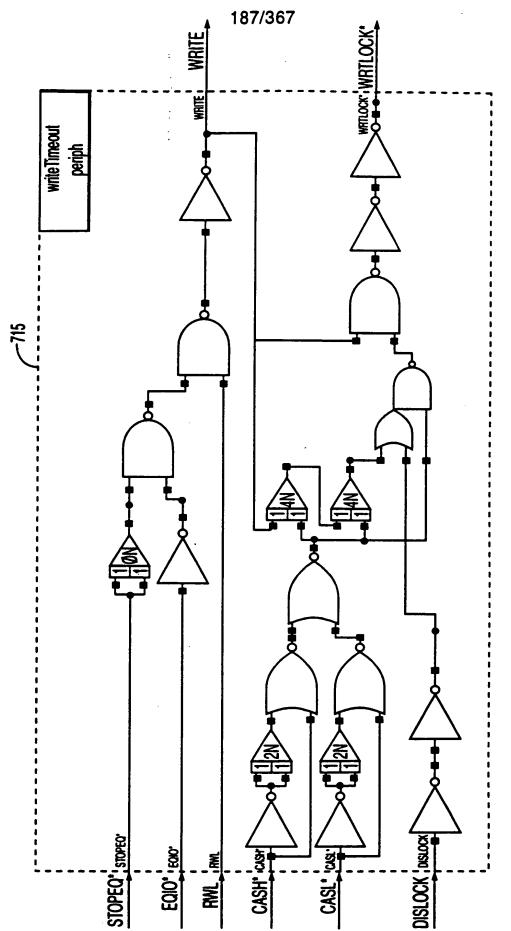
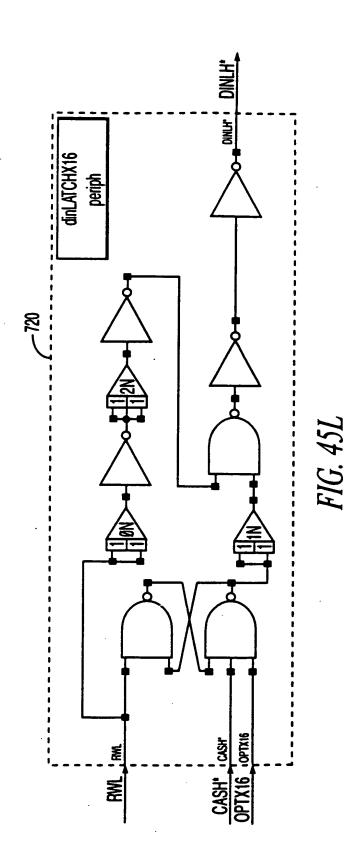
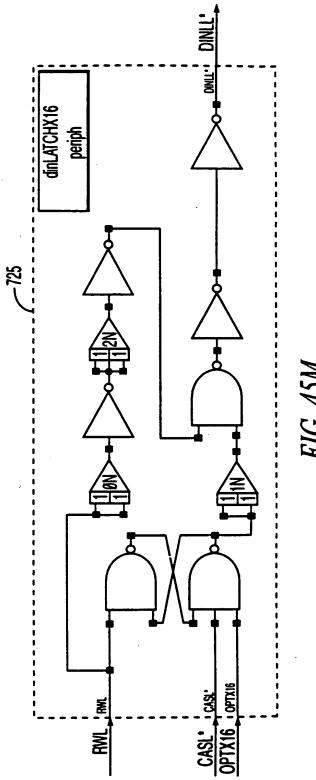


FIG. 45K





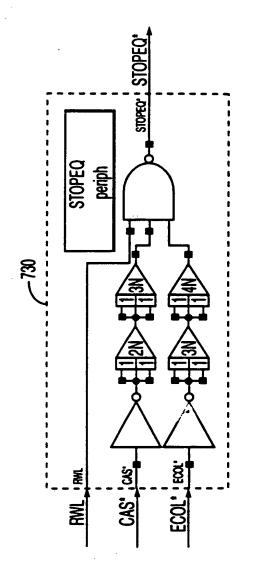


FIG. 45N

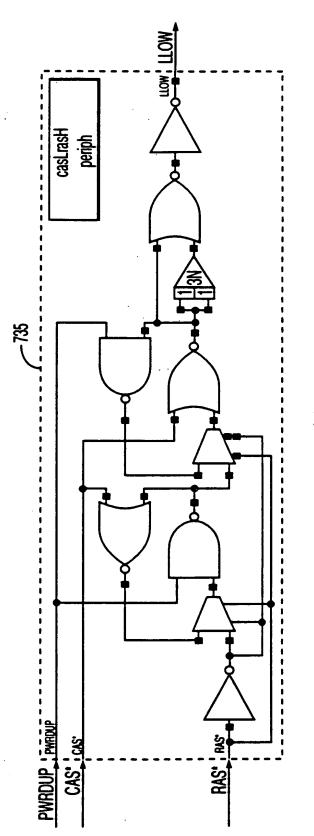
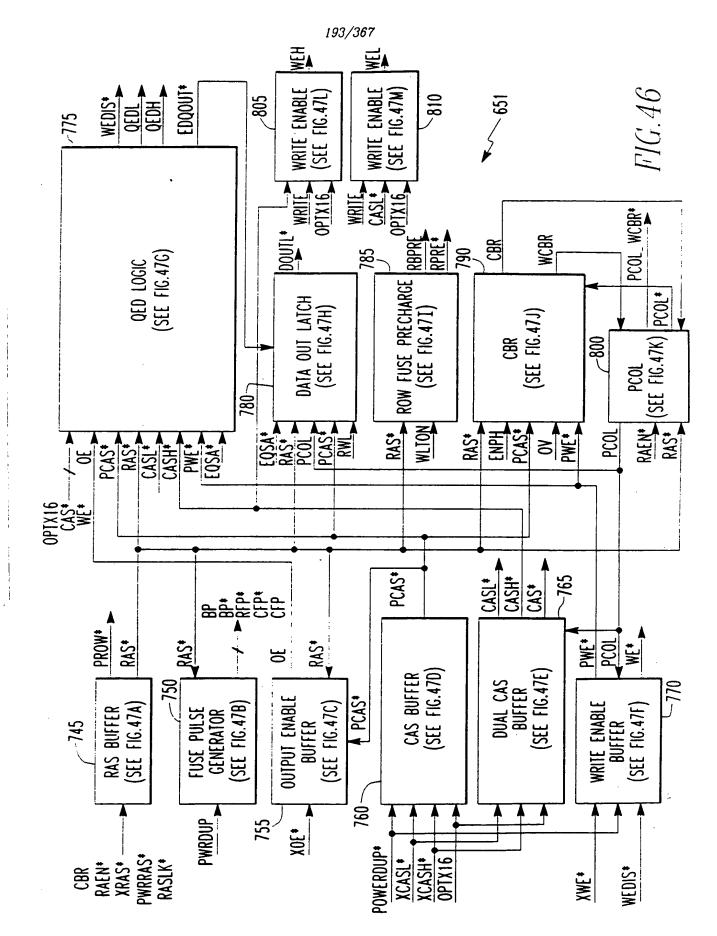


FIG. 450

FIG. 45P



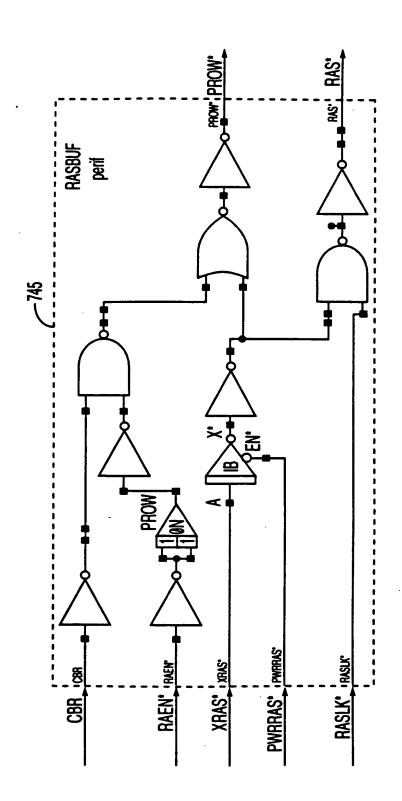


FIG. 47A

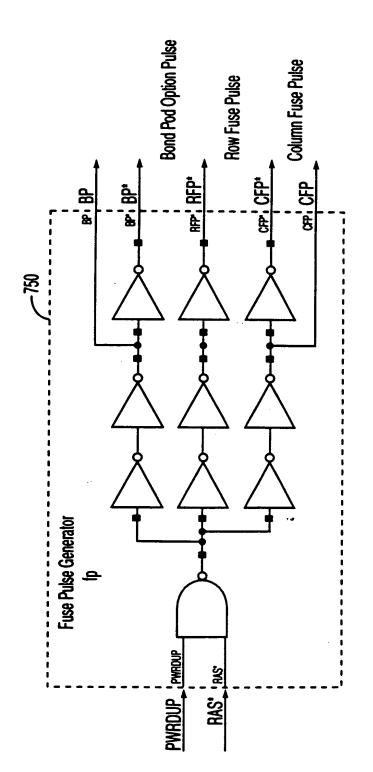


FIG. 47B

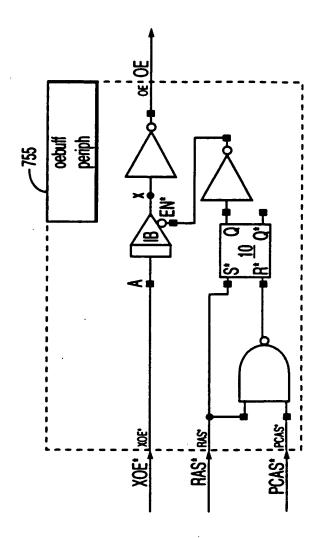
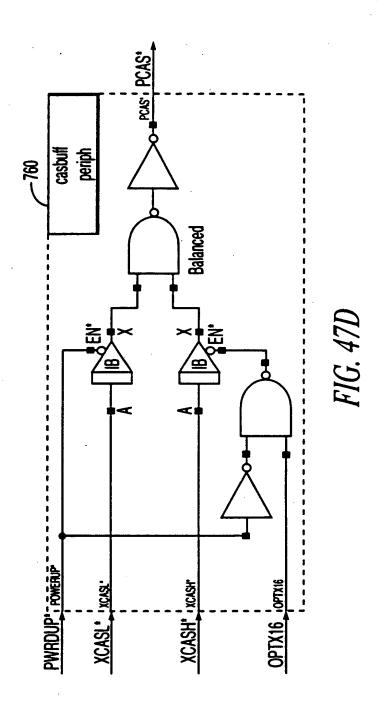


FIG. 47C



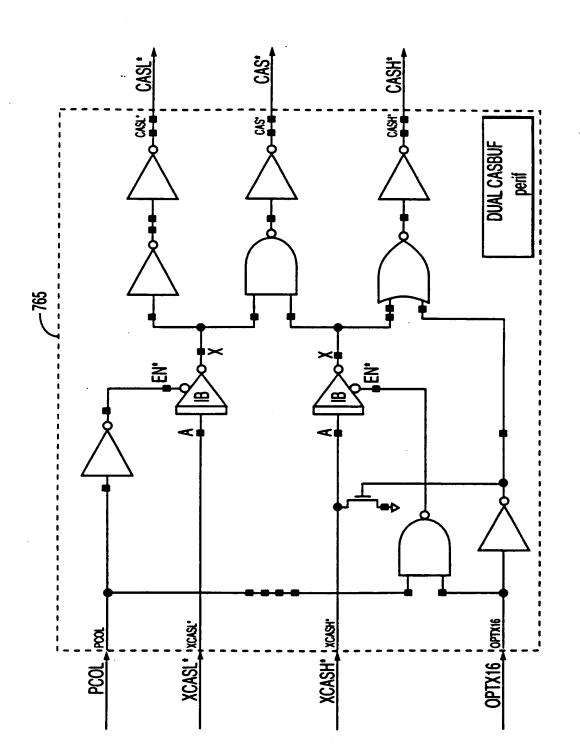
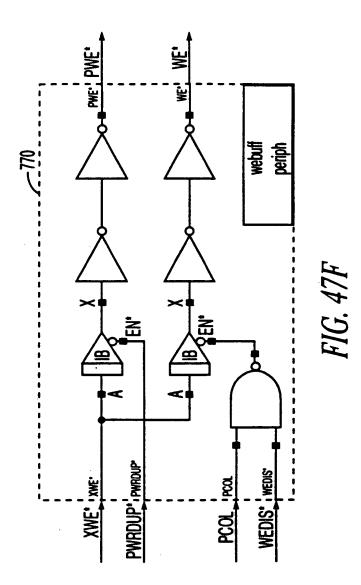


FIG. 47E



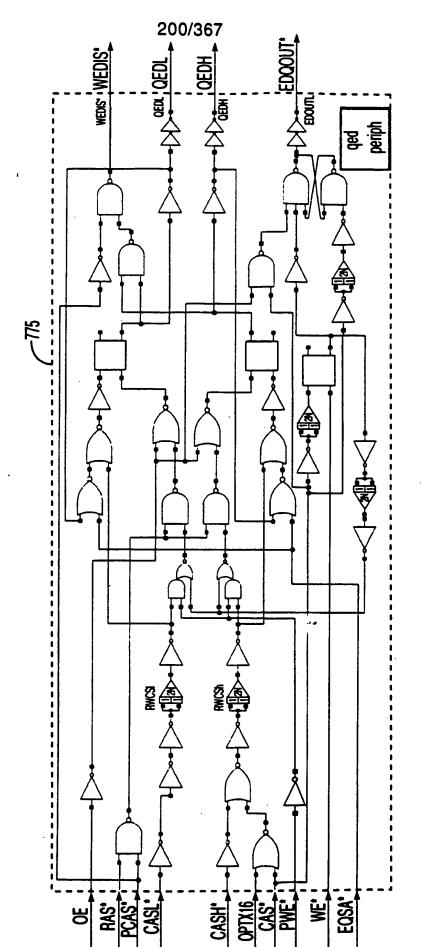
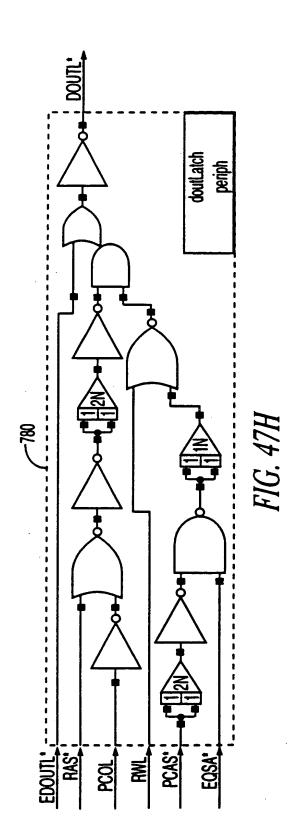


FIG. 47G



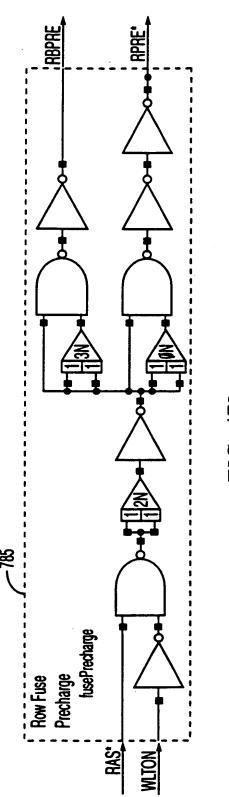


FIG. 47I

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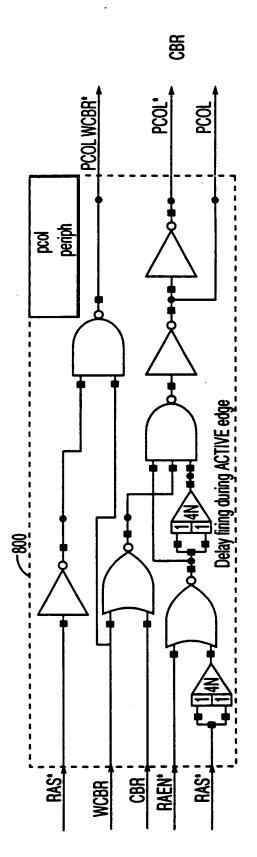


FIG. 47K

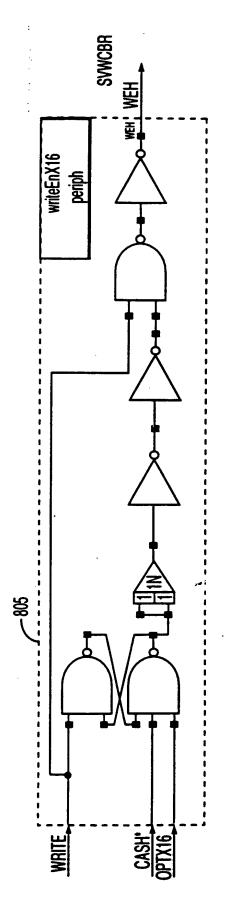


FIG. 47L

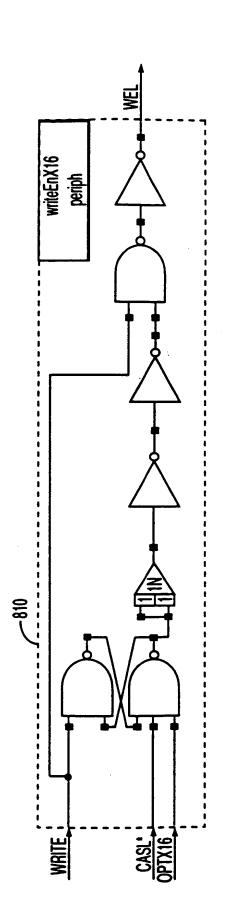


FIG. 47M

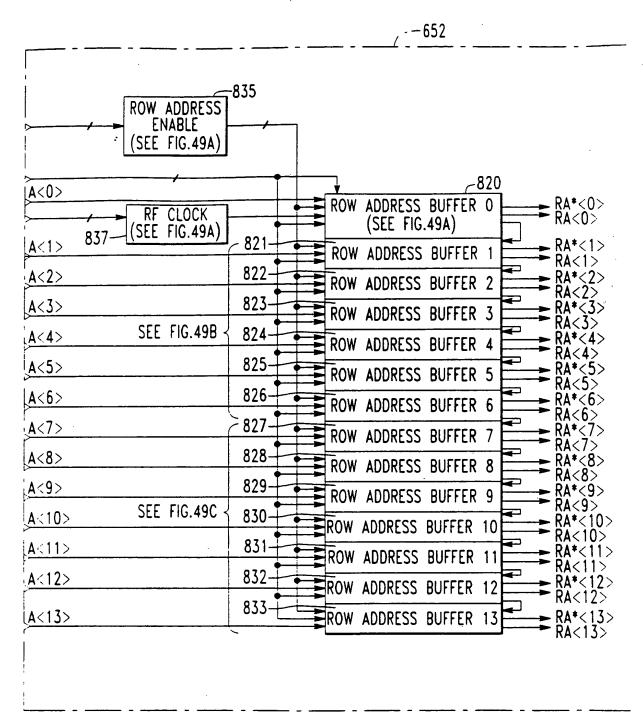


FIG. 48A

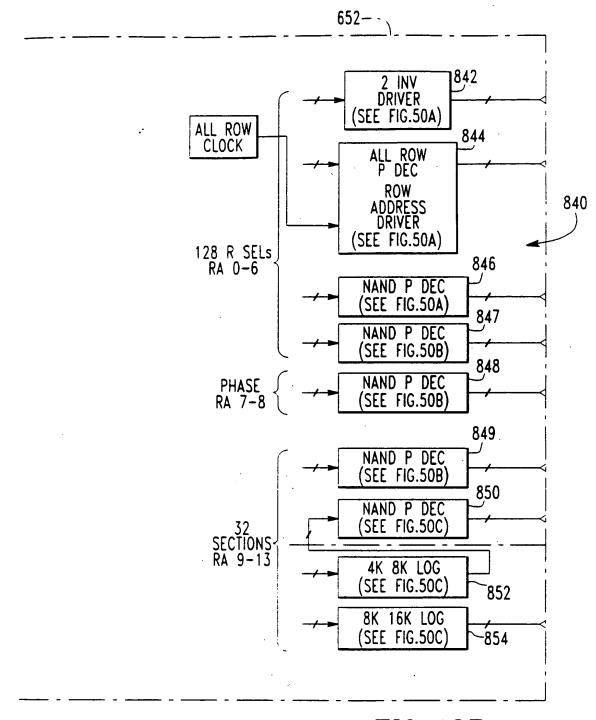
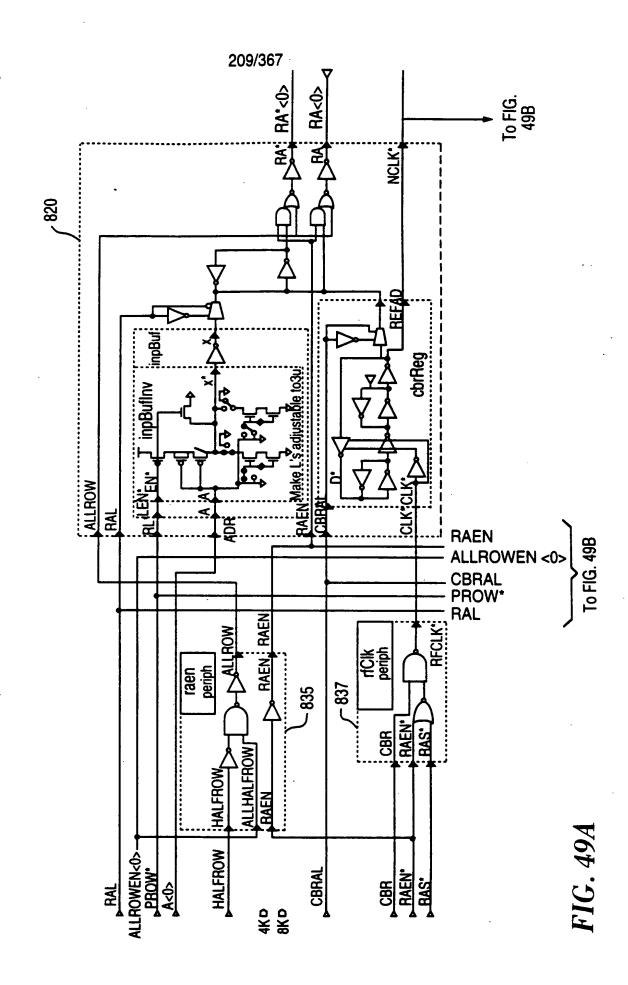


FIG. 48B



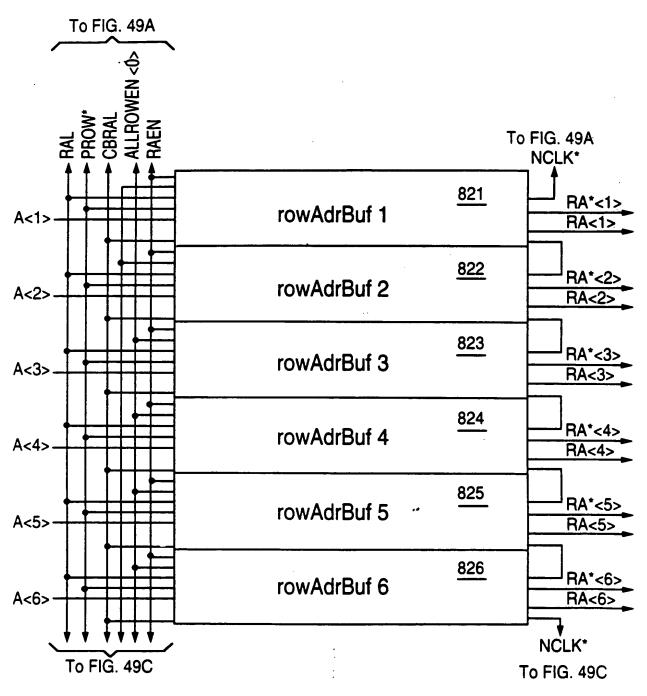


FIG. 49B

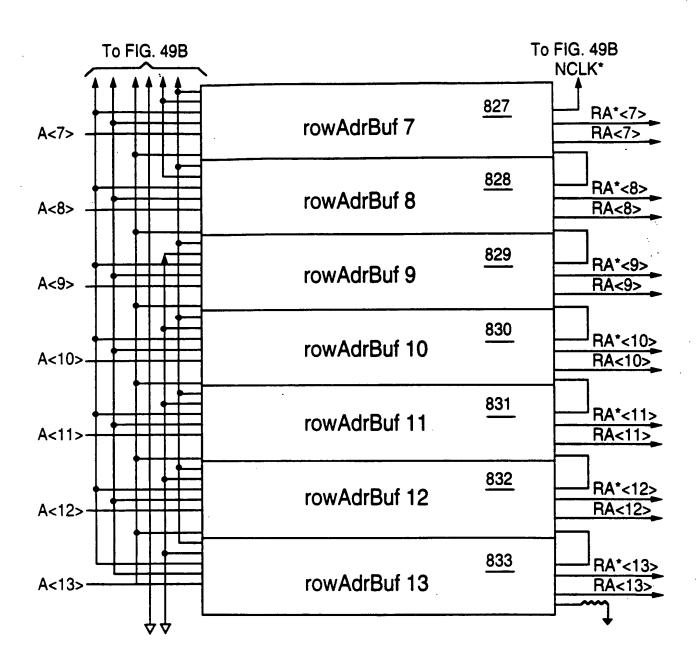


FIG. 49C

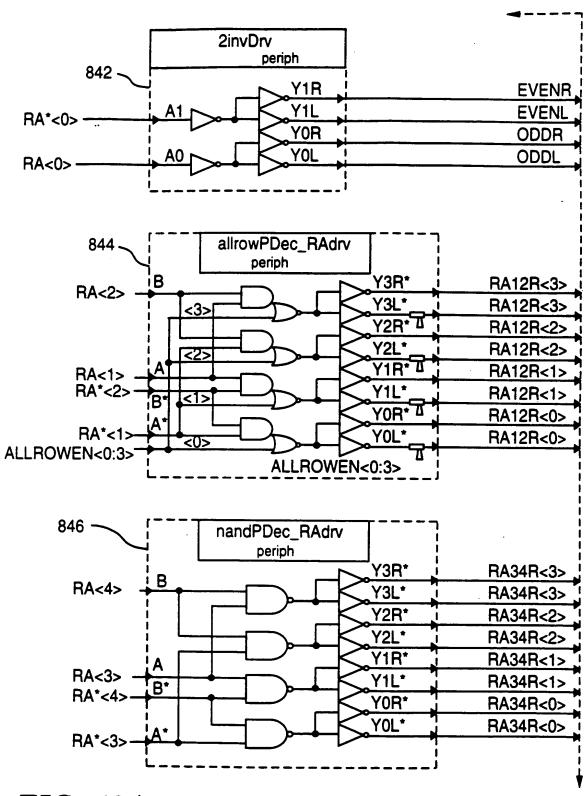


FIG. 50A

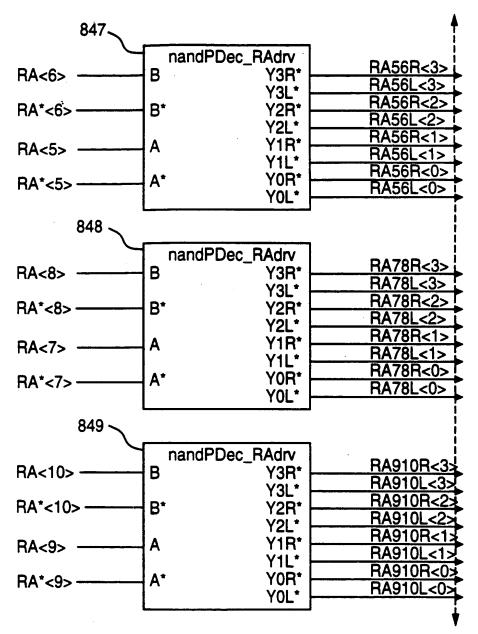


FIG. 50B

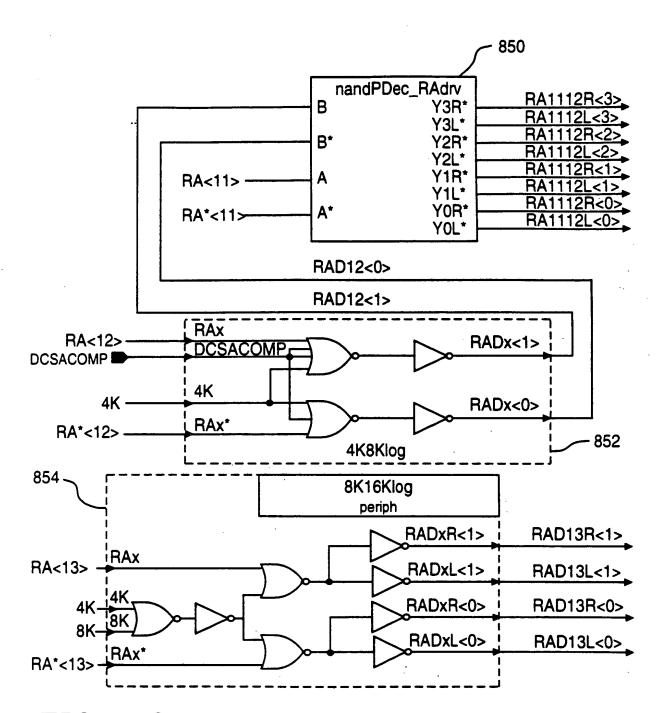


FIG. 50C

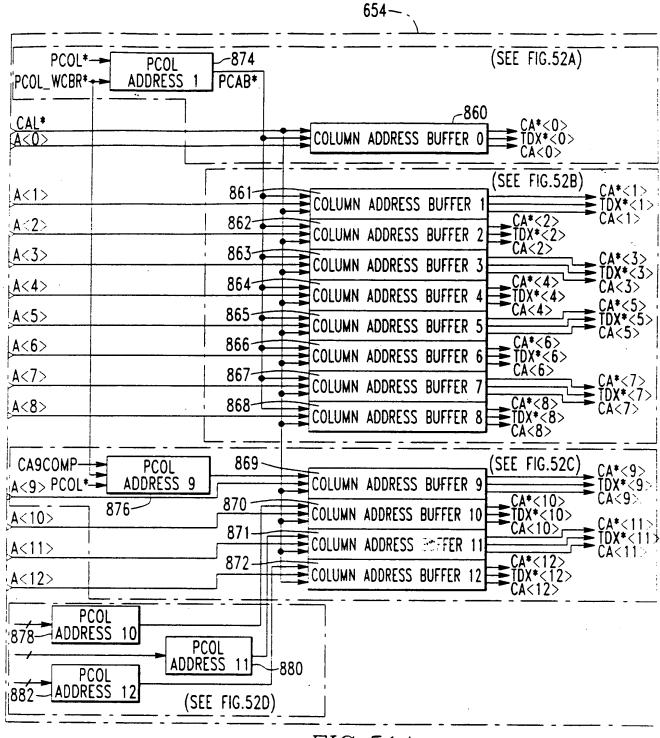


FIG. 51A

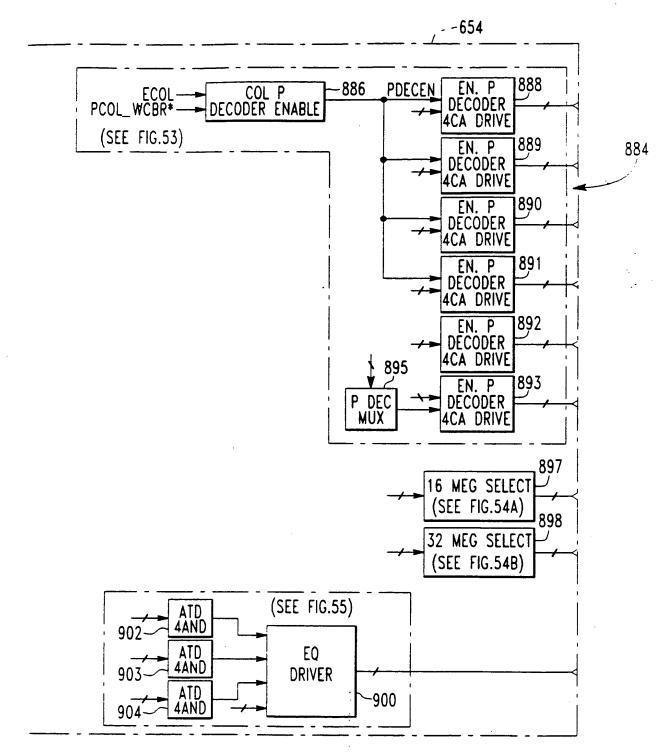
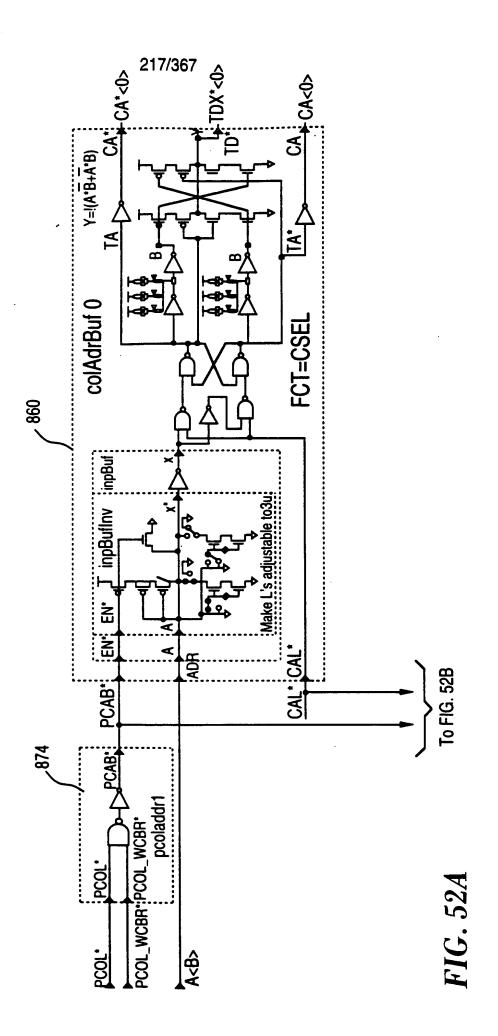
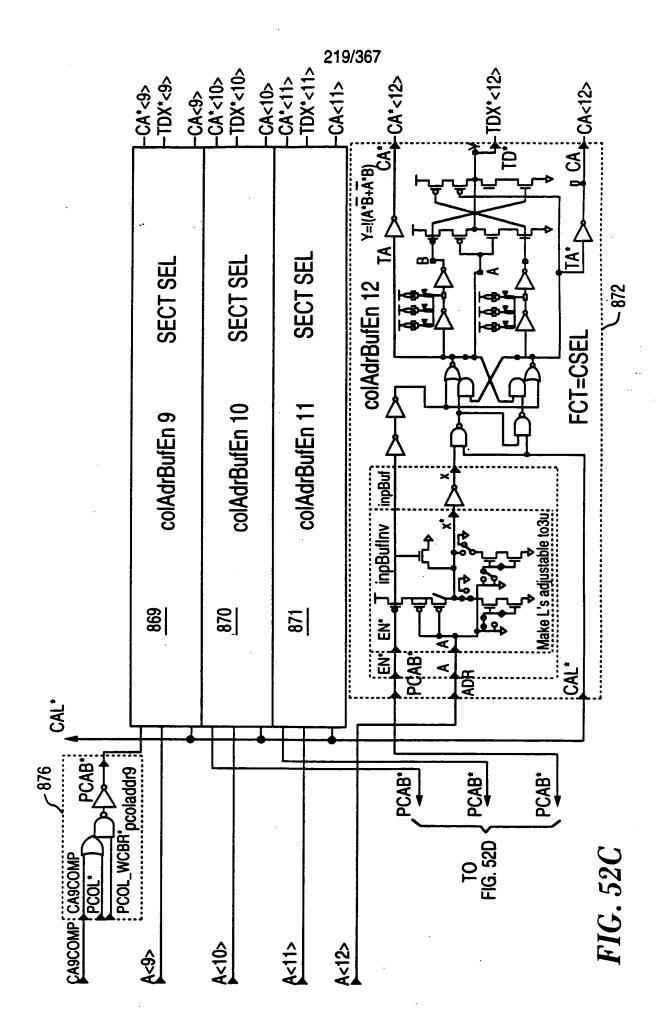


FIG. 51B



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	CA*<1> TDX*<1> CA<1>	CA*<2> TDX*<2> CA<2>	CA*<3> TDX*<3> CA<3>	.CA*<4> -TDX*<4> -CA<4>	-CA*<5> -TDX*<5> -CA<5>	-CA*65 -TDX*65 -CA<65	-CA*<7> -TDX*<7> -CA<7>	CA*<8>-TDX*<8>	
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		0	01 0	0	OF 0				
	CSEL	CSEL	CSEL	CSEL	CSEL	CSEL	SECT SEL	I/O SEL	
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								&	
	3uf 1	3uf 2	3uf 3	3uf 4	3uf 5	3uf 6	3uf 7	3ufEn	
	colAdrBuf 1	colAdrBuf 2	colAdrBuf 3	colAdrBuf 4	colAdrBuf 5	colAdrBuf 6	colAdrBuf 7	colAdrBufEn 8	
	0	0	J	0	0	0	0		r.
	861	862	863	864	865	998	867	898	
	∞	- ∞	<u>,</u> ∞	∞	· 8	∞	&	60 1	
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52C	-							Ī.	TO FIG. 52C
TO FIG. 52C	•			- 	-	<u>.</u>	-	_	2
									_
									52B
	A<1>	A<2>	A<3>	A<4>	A<5>	A<6>	A<7>	A<8>	FIG. 52B
	⋖	~	۷	4	▼	<u> </u> ▼	۲	4	F



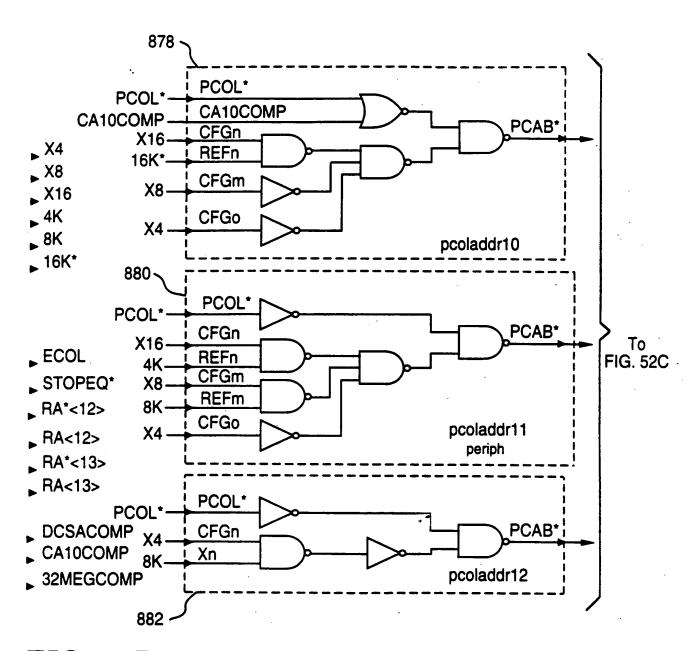
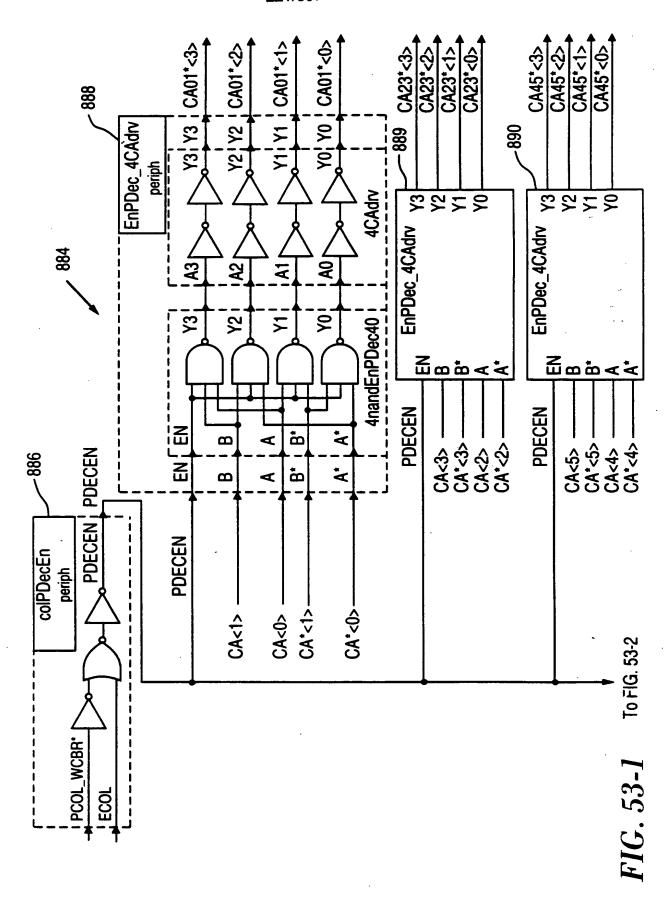


FIG. 52D



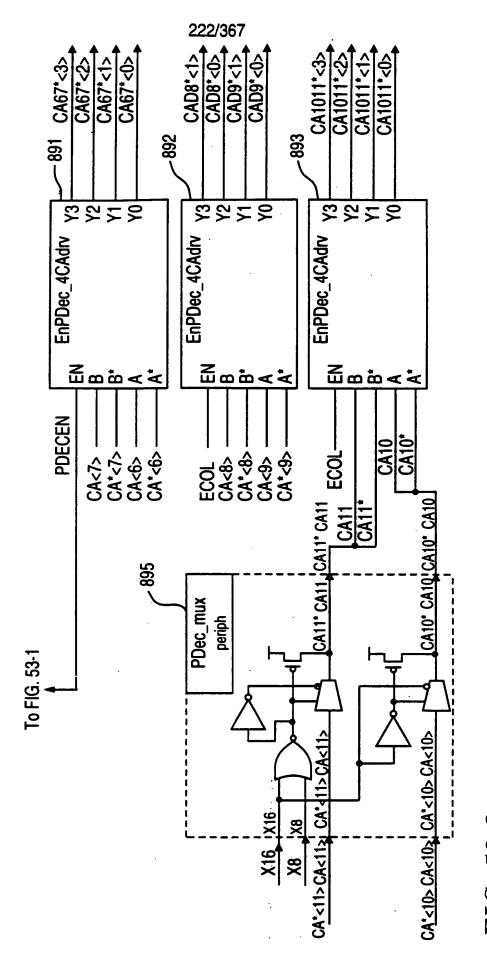


FIG. 53-2

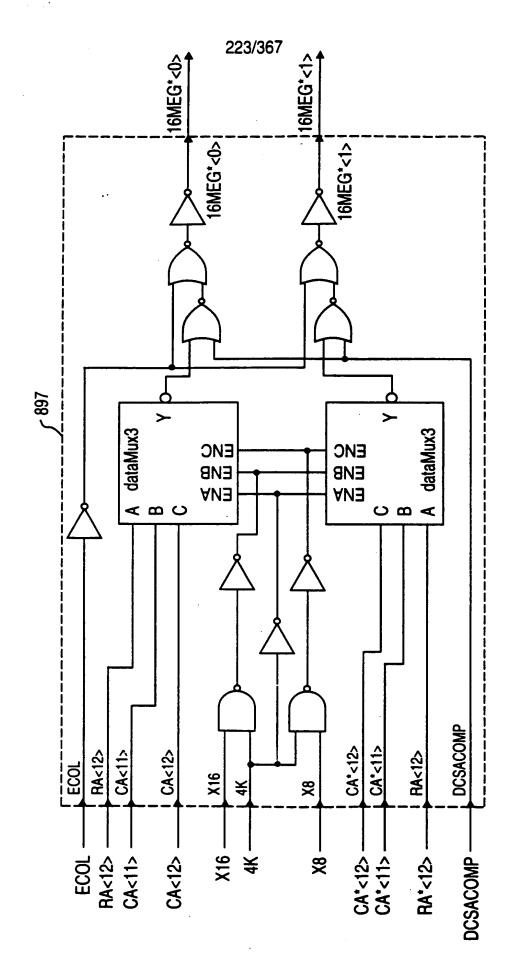


FIG. 54A

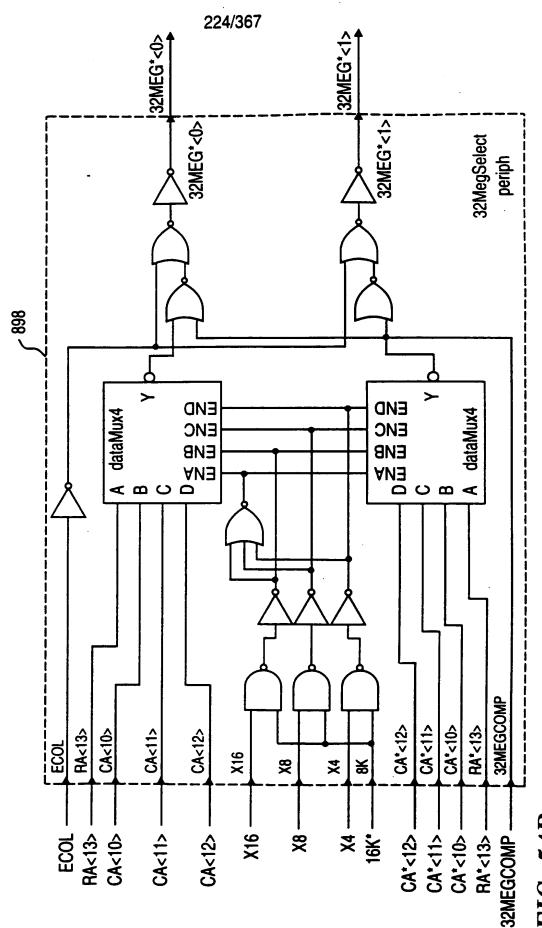
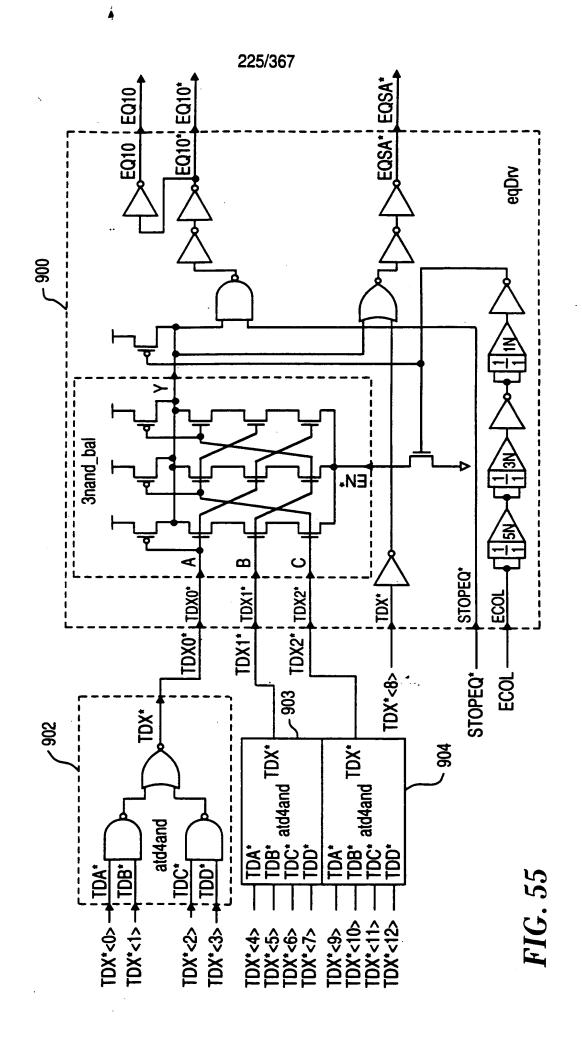
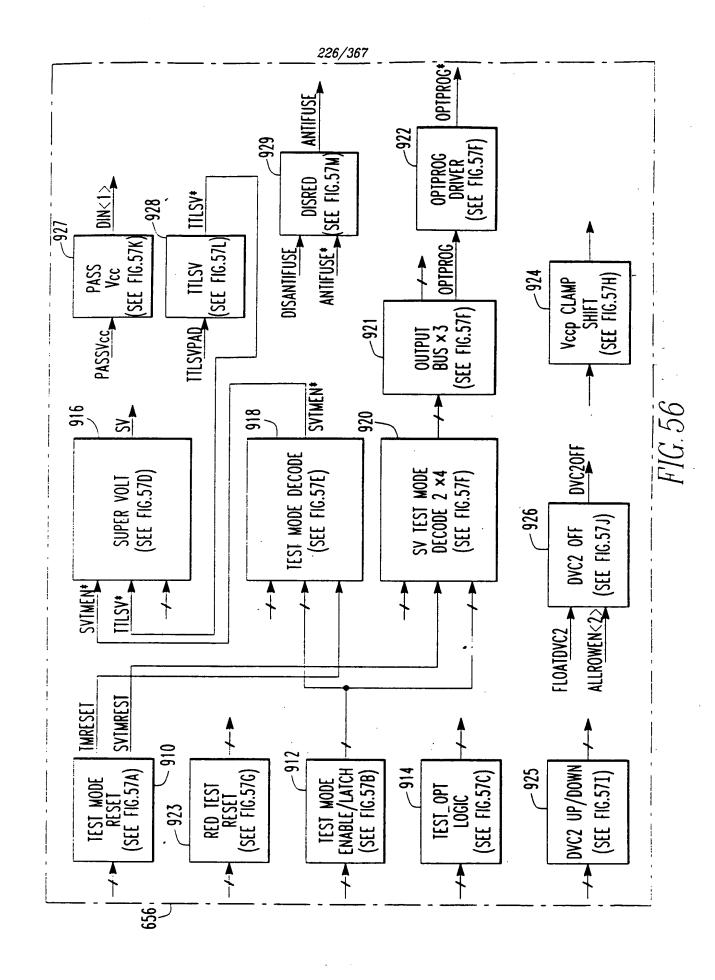


FIG. 54B





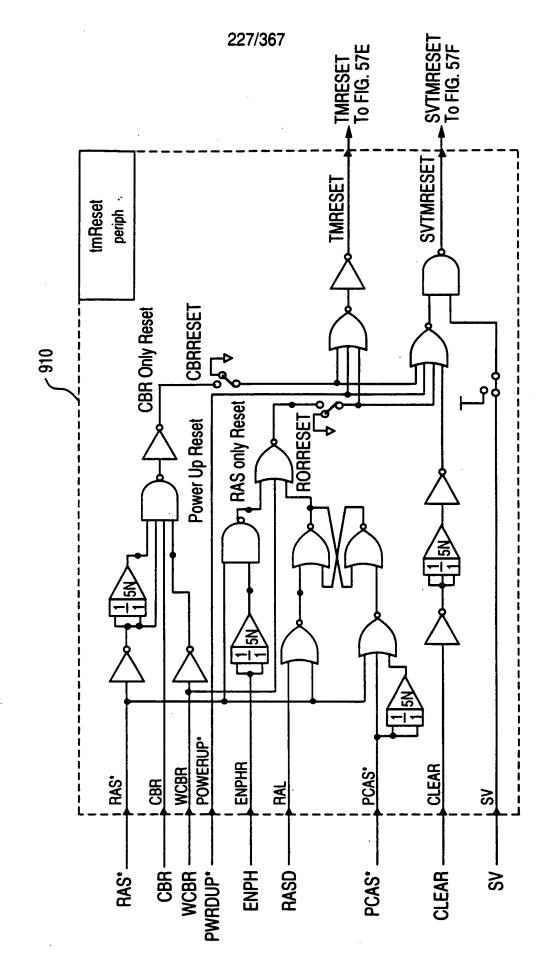


FIG. 574

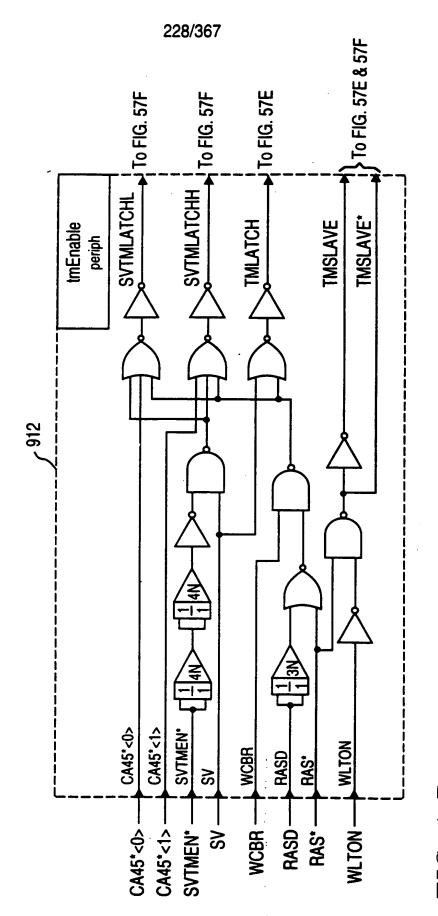


FIG. 57B

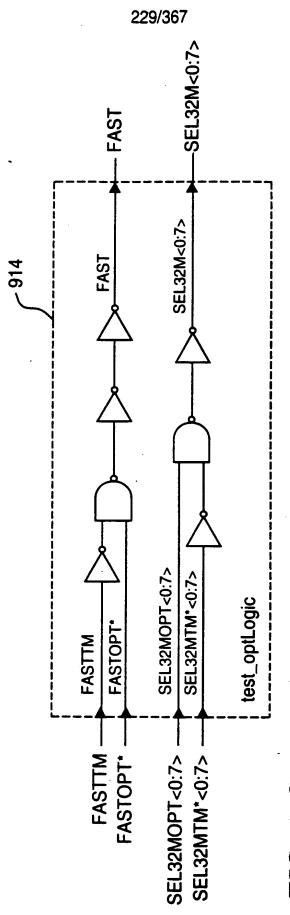
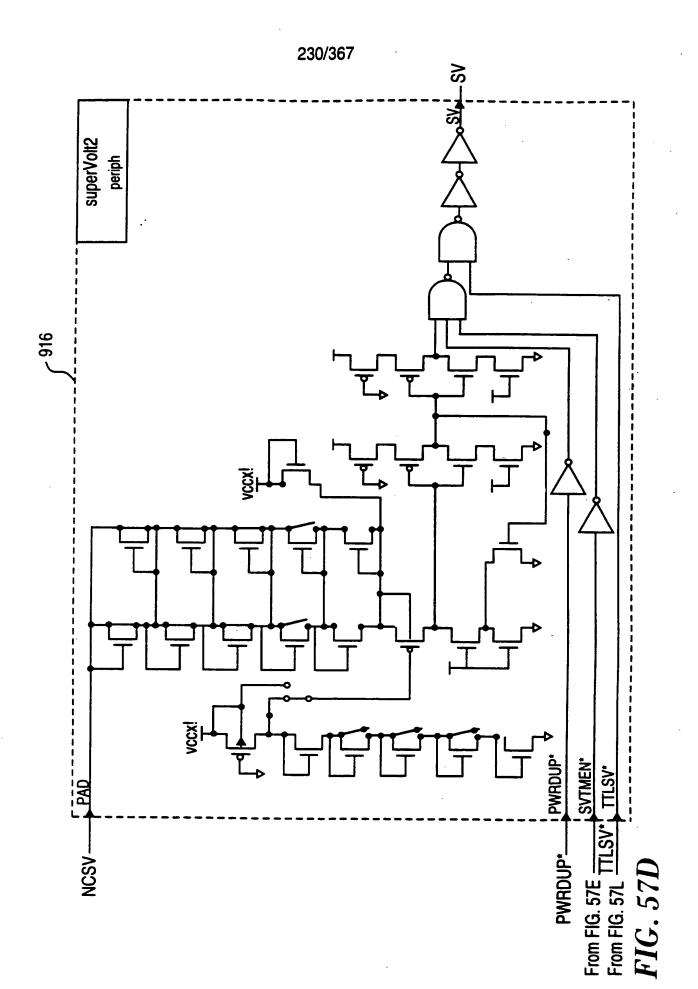


FIG. 57C



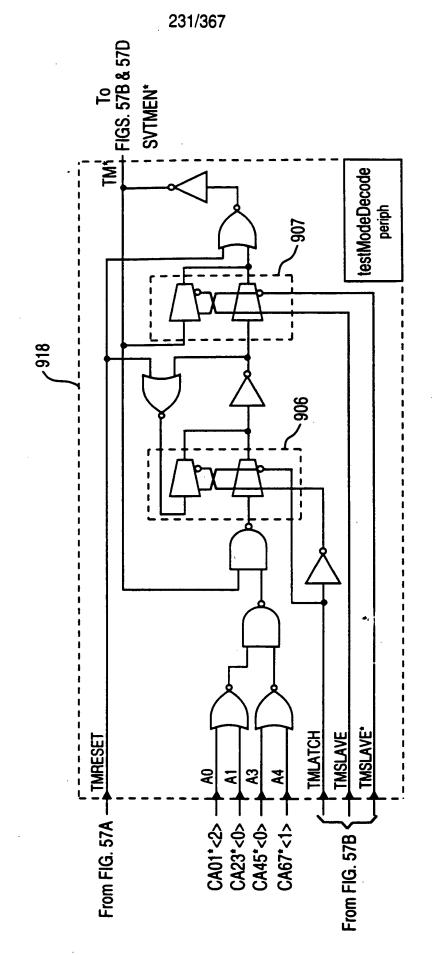
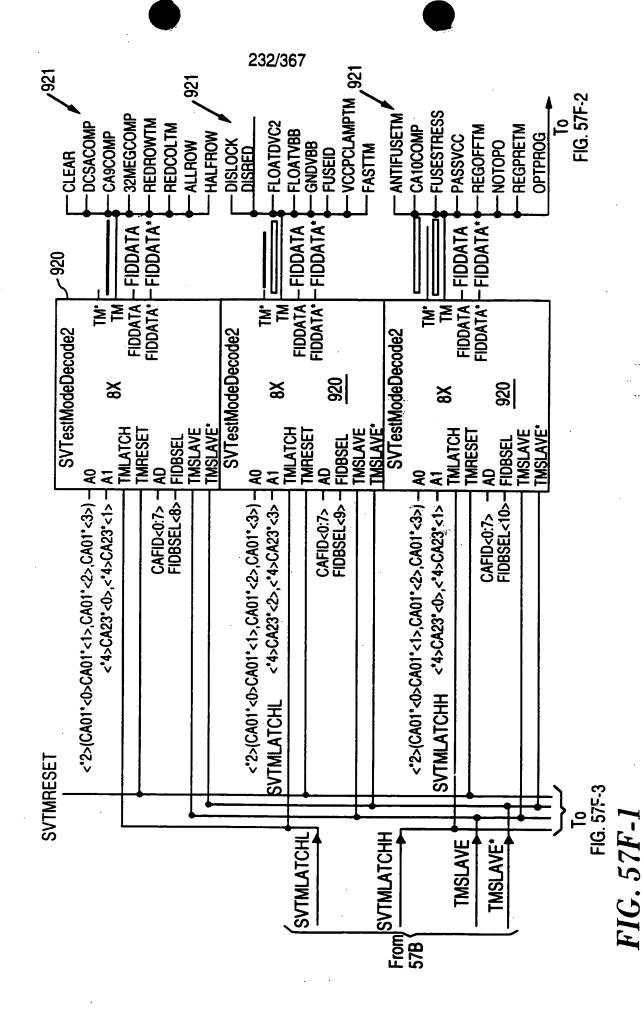


FIG. 57E



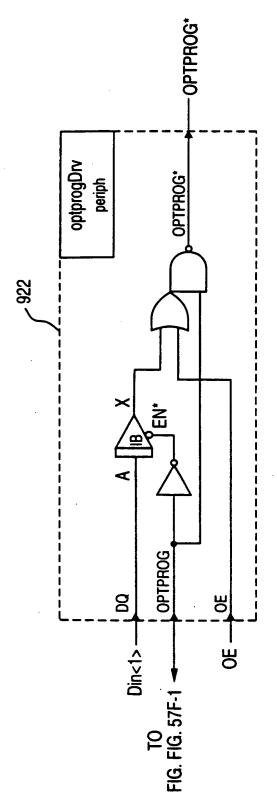
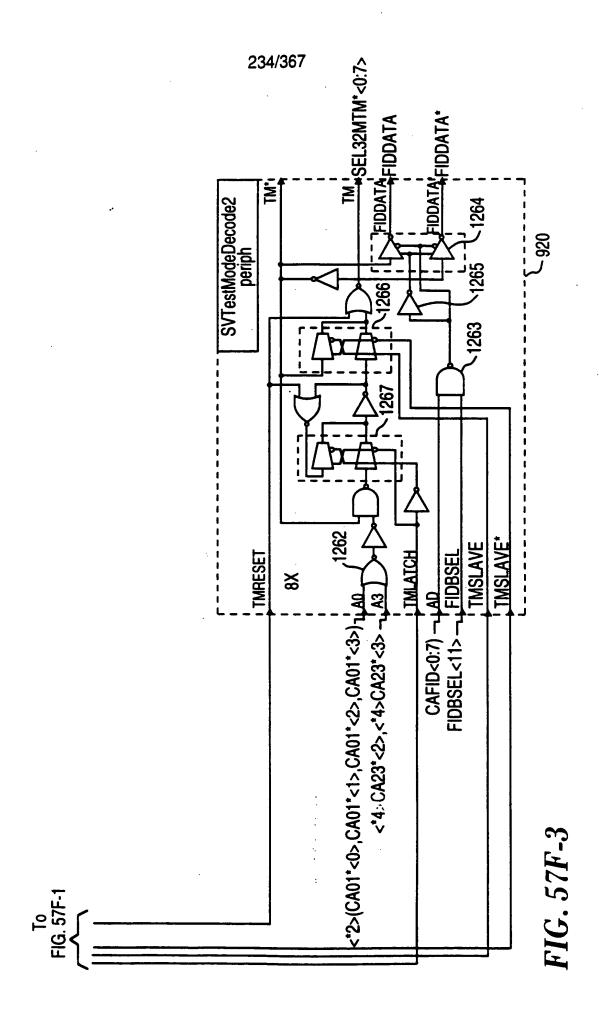


FIG. 57F-2



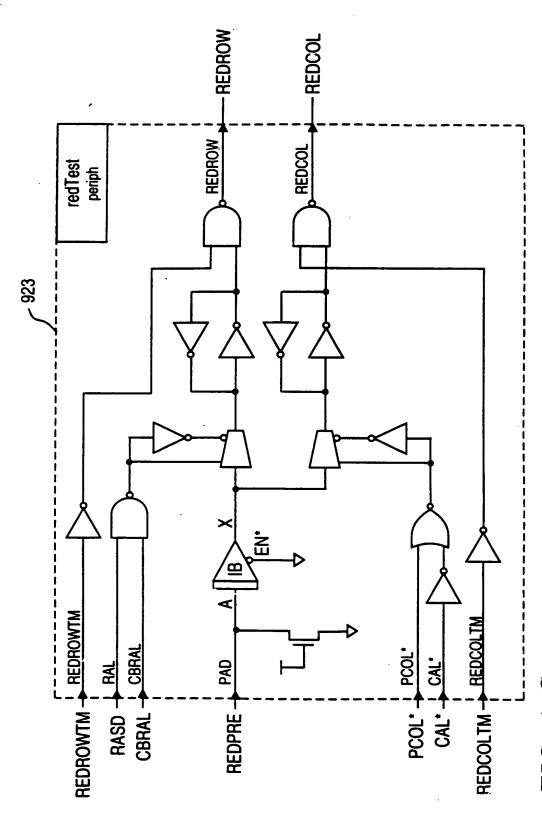
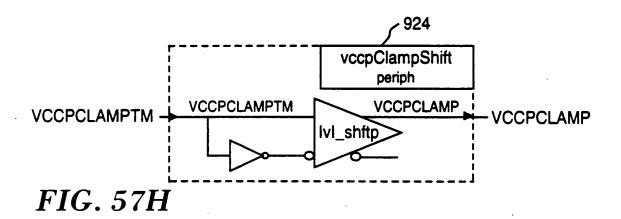


FIG. 57G



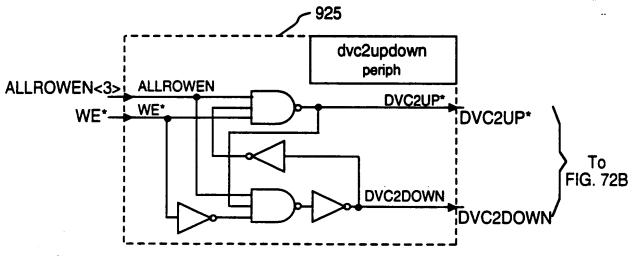


FIG. 57I

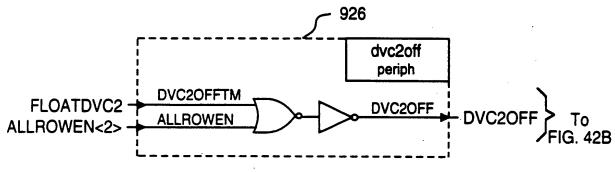


FIG. 57J

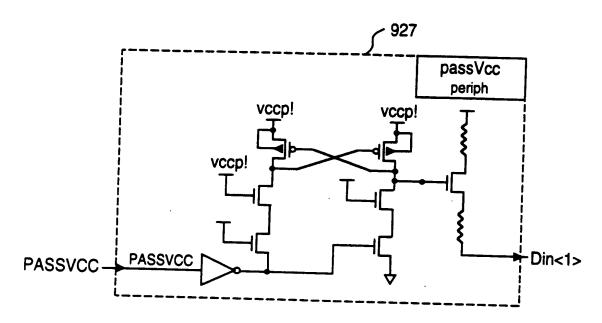


FIG. 57K

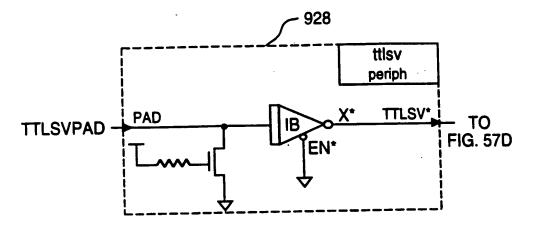


FIG. 57L

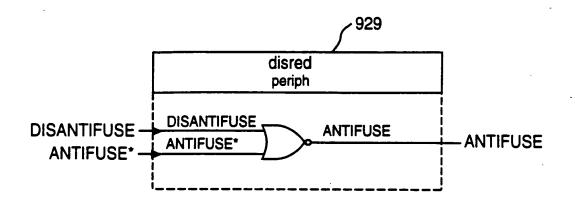
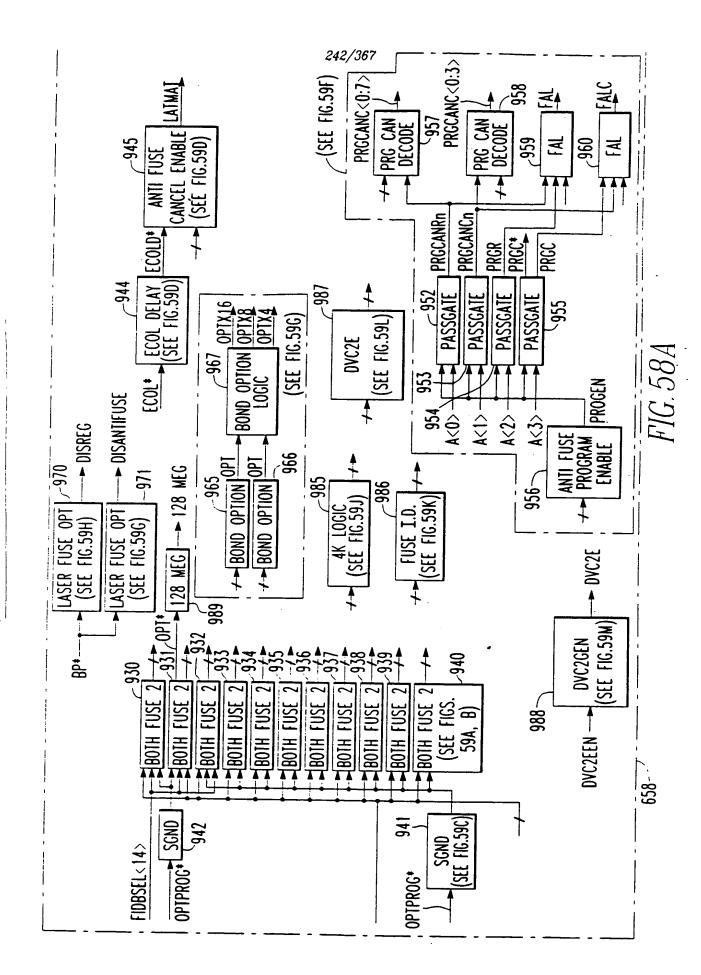


FIG. 57M



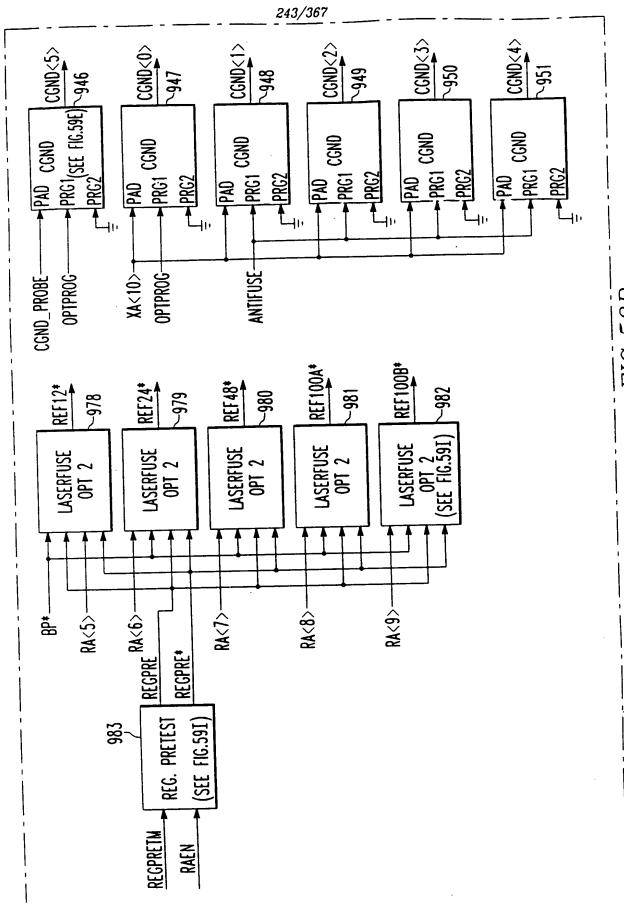
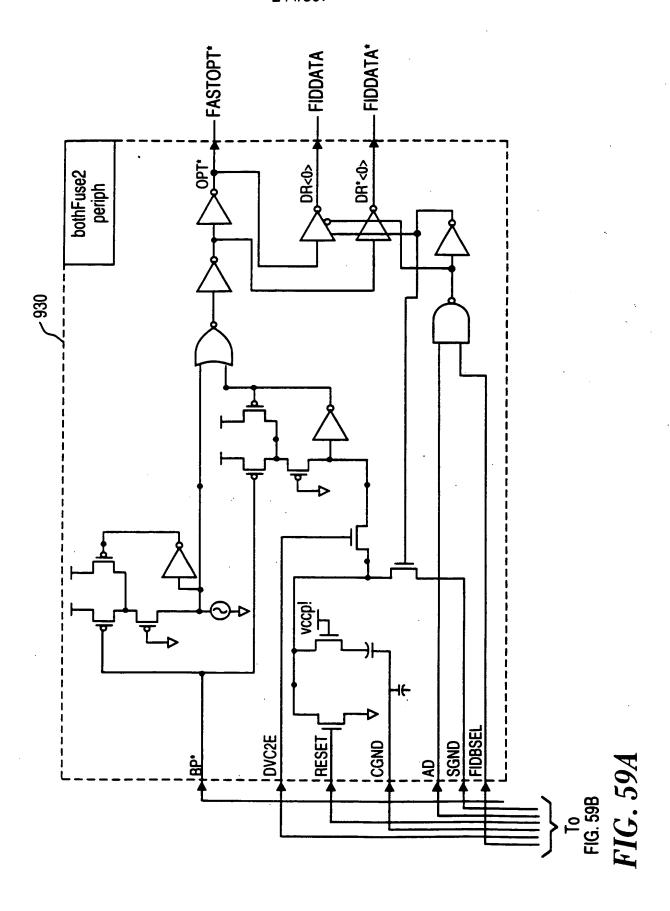
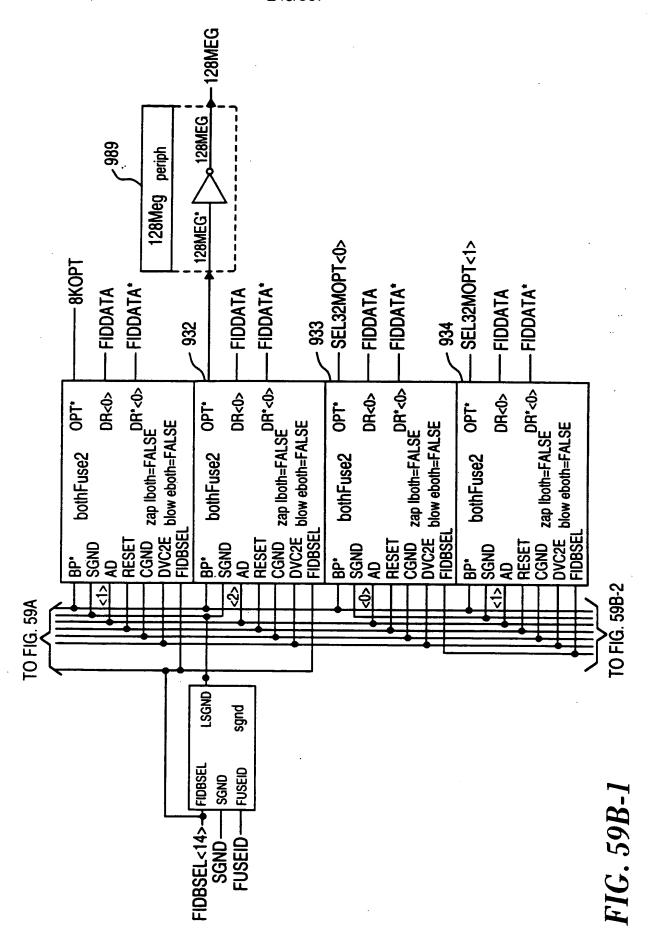


FIG. 58B

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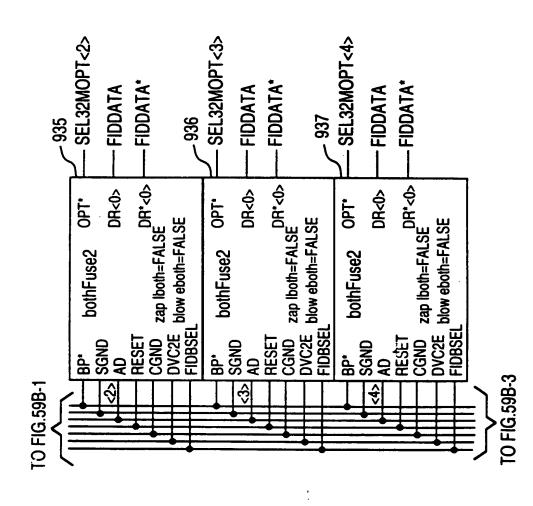


FIG. 59B-2

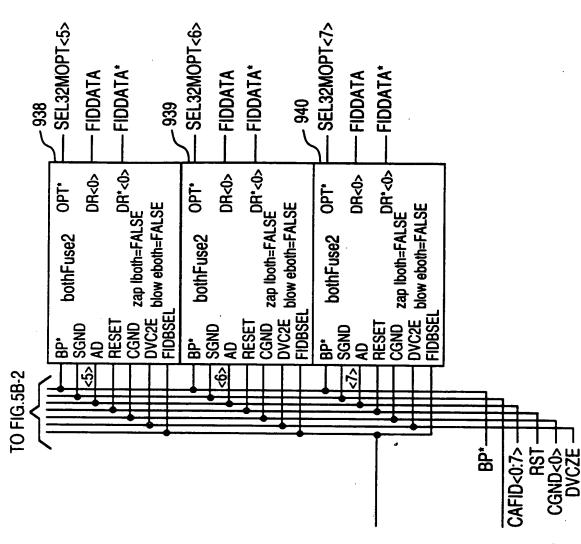
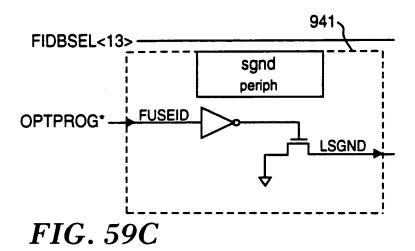


FIG. 59B-3



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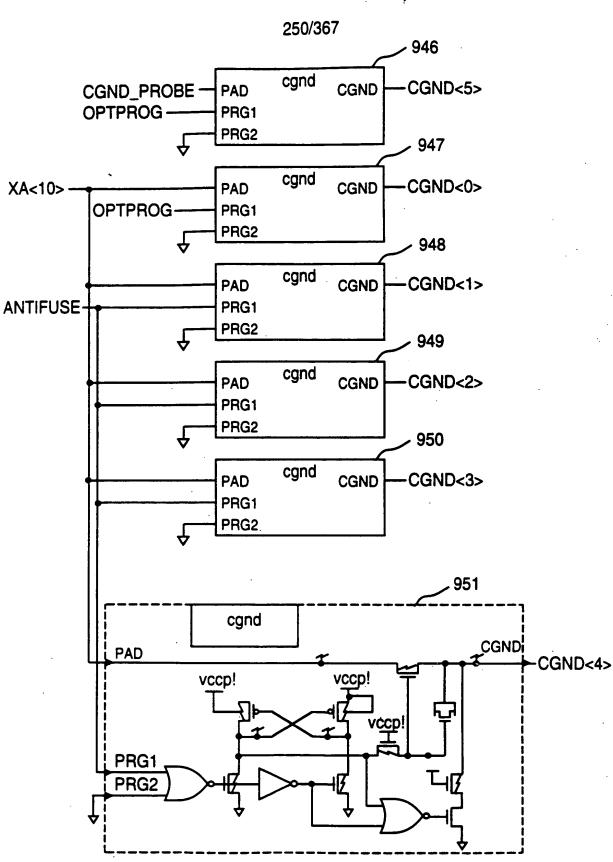


FIG. 59E

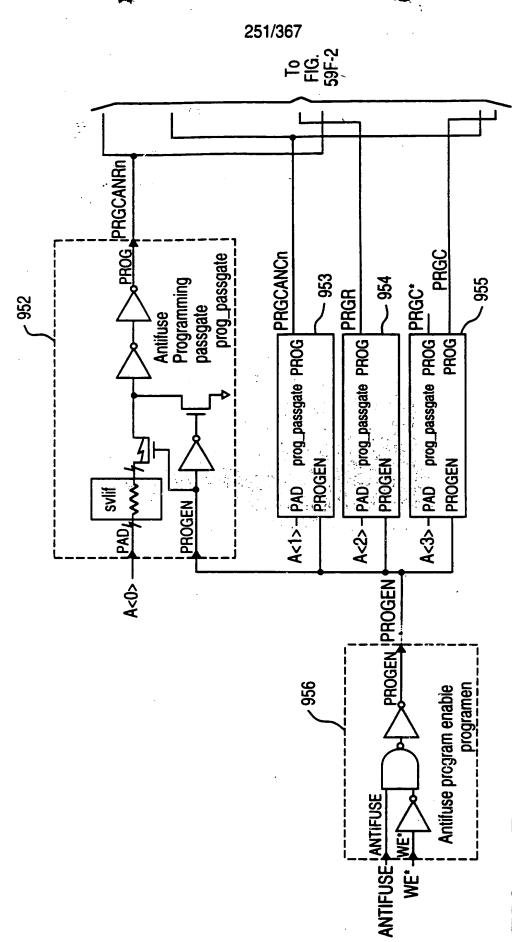
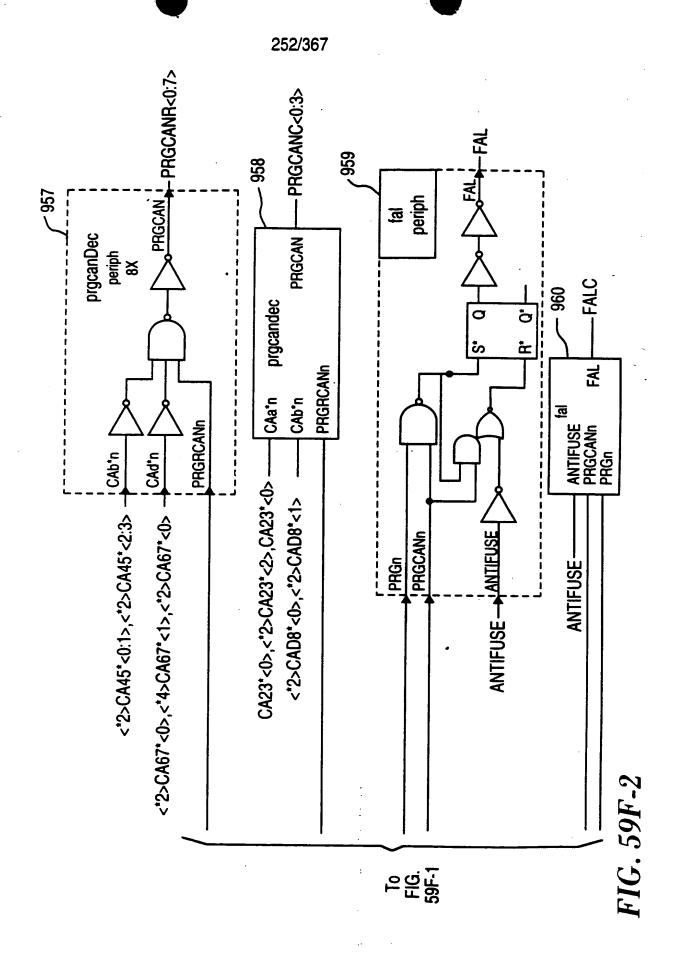
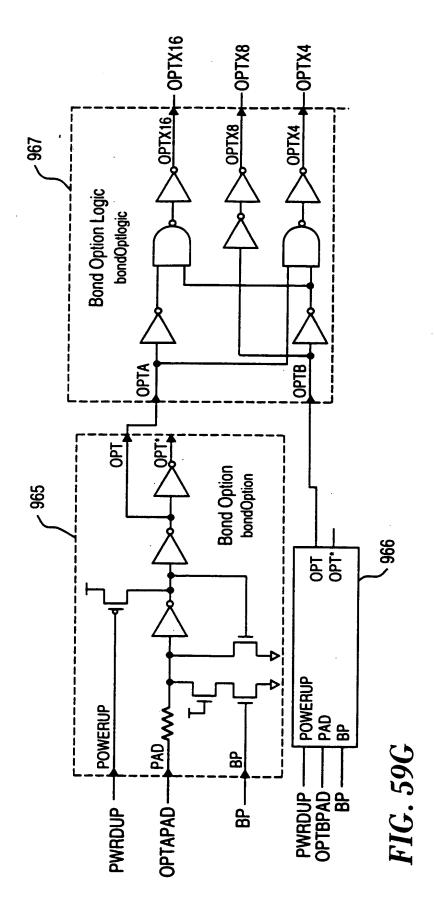


FIG. 59F-1





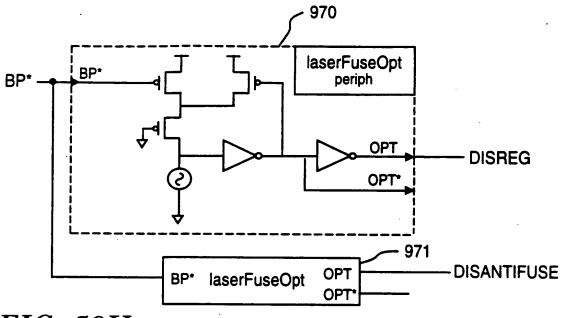
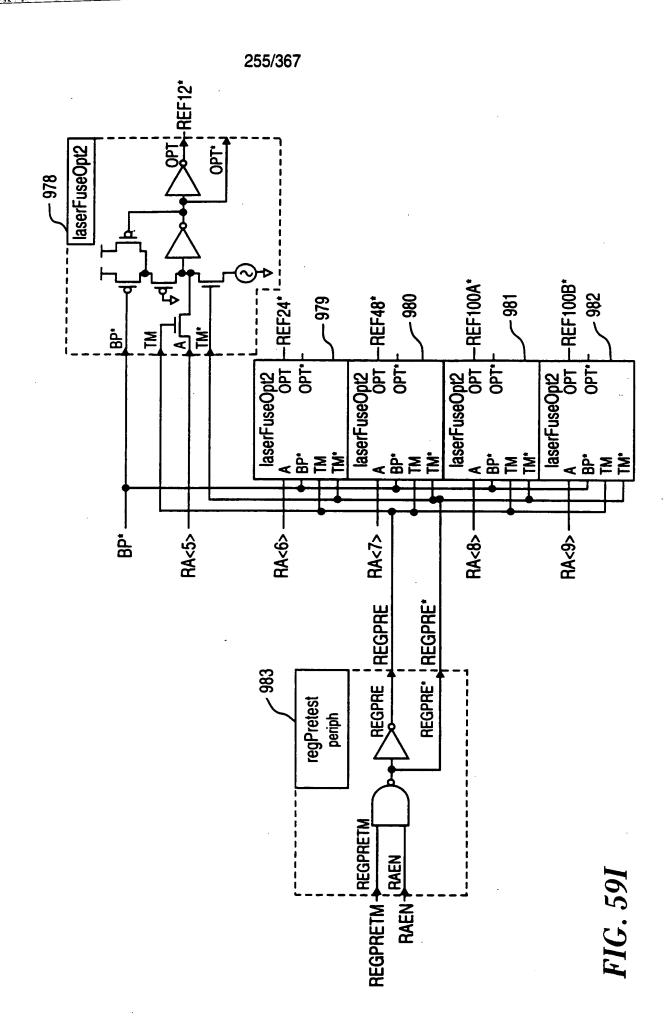


FIG. 59H



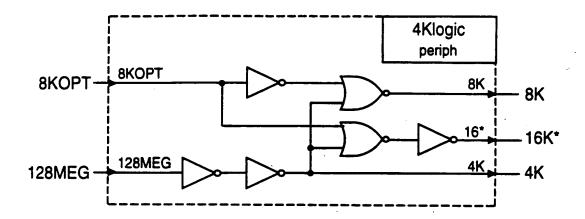
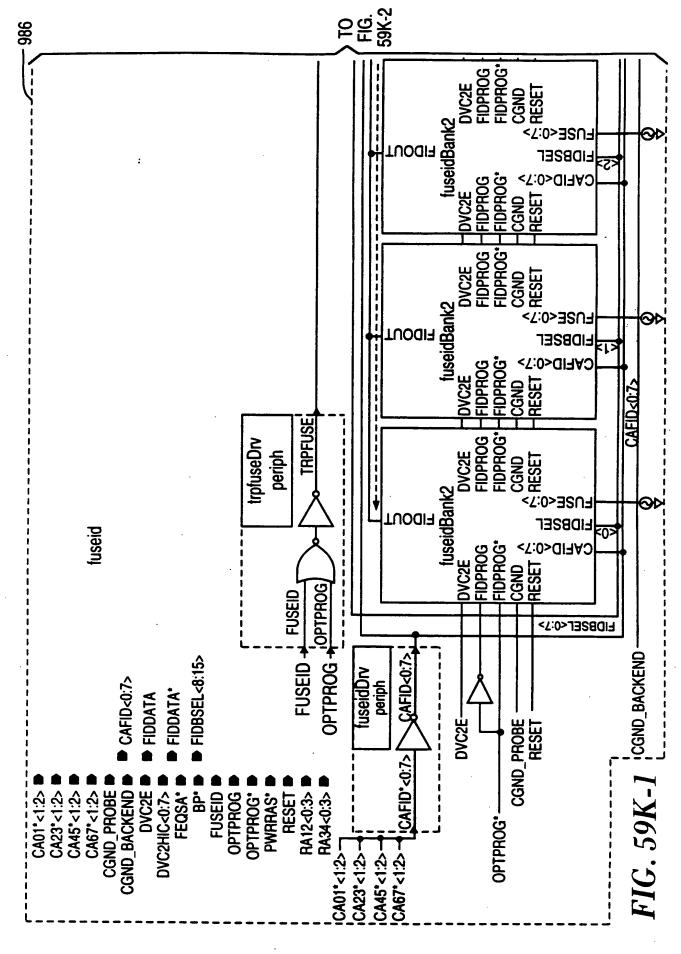
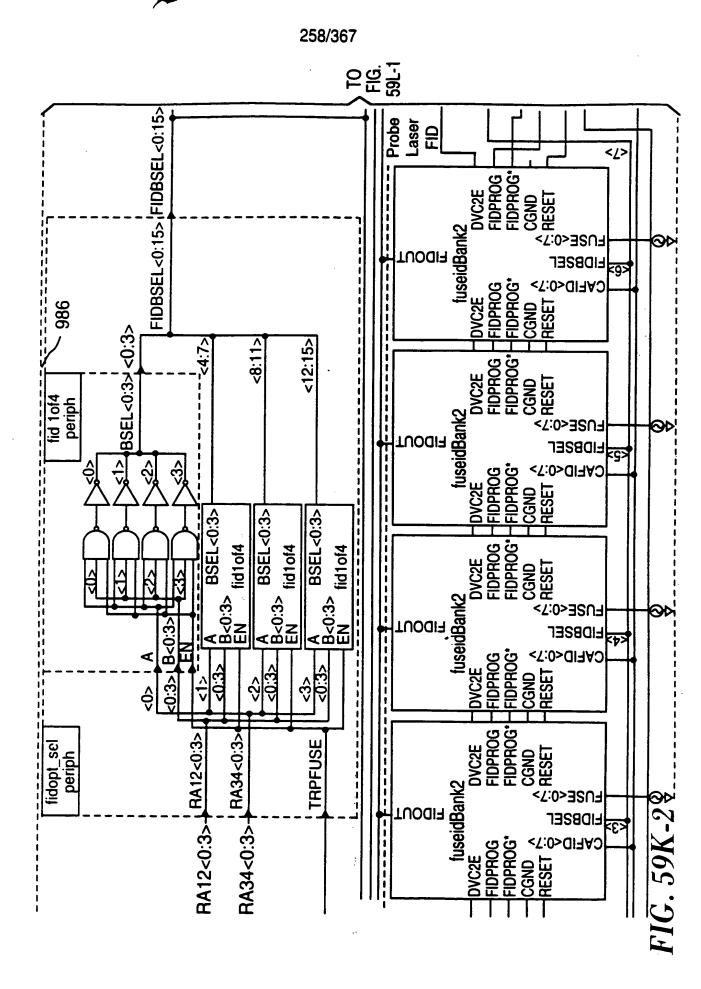
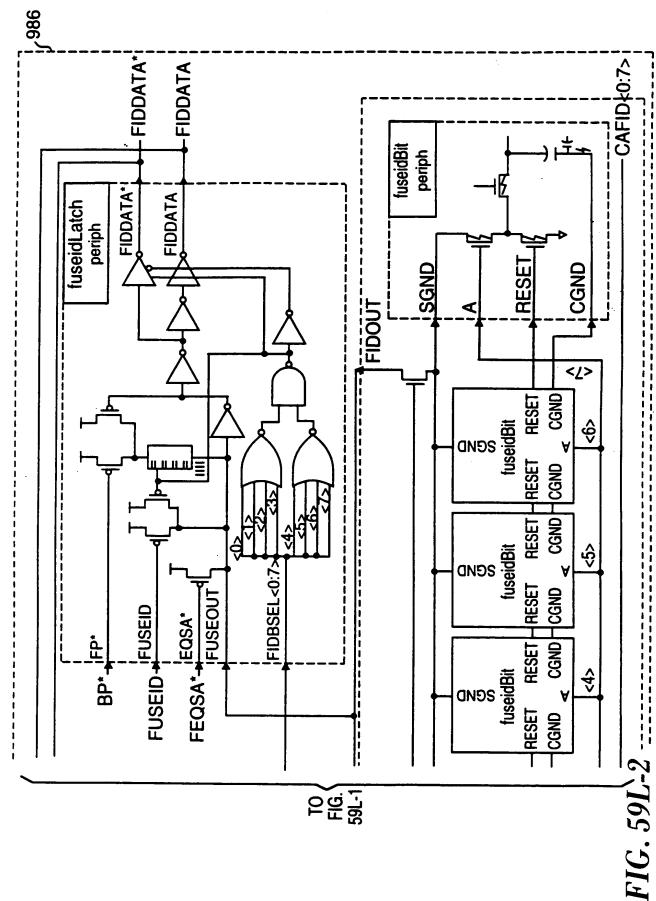


FIG. 59J





259/367 TO FIG. 59L-2 RESET fuseidBit RESET cond Hogn RESET fuseidBit CGND CGND RESET SGND fuseidBit FIDDATA FIDDATA* ÷ dvc2Stat **fuseidBank** periph periph RESET CGND RESET Ö O fuseidBit ô **Backend FID** RESET CGND PWRRAS PWRRAS DVC2HIC<0:7> DVC2HIC FIDBSEL<12> FIDBSEL FIG. 59L-1 RESET FIDPROG* FIDBSEL FIDPROG* CAFID<0:7> TO FIG. 59K-1



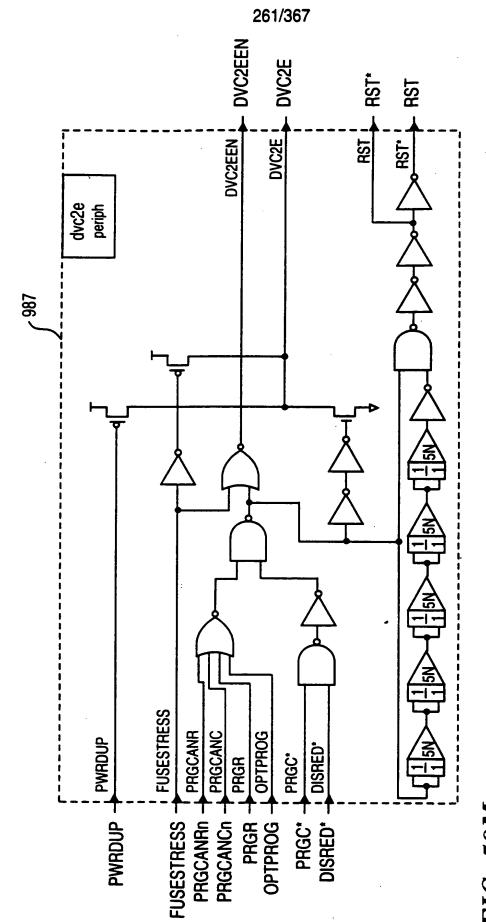


FIG. 59M

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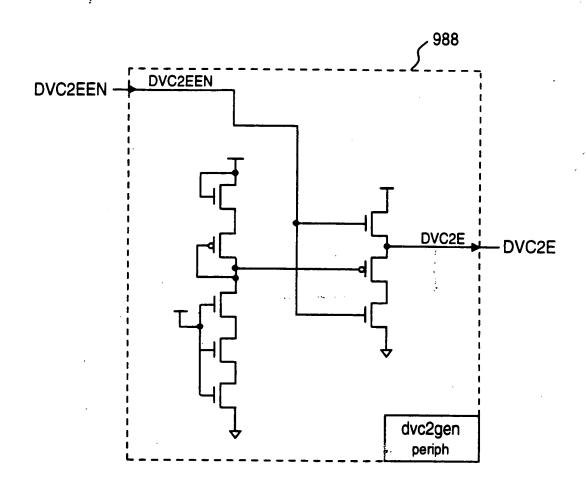
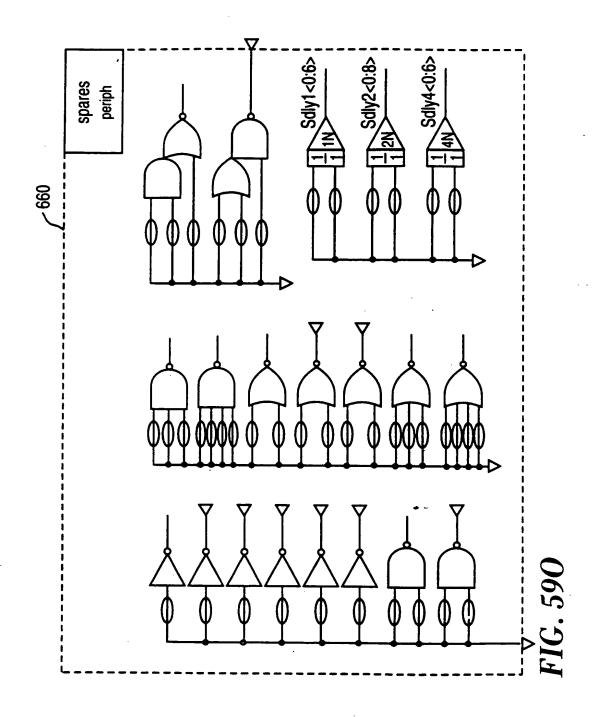
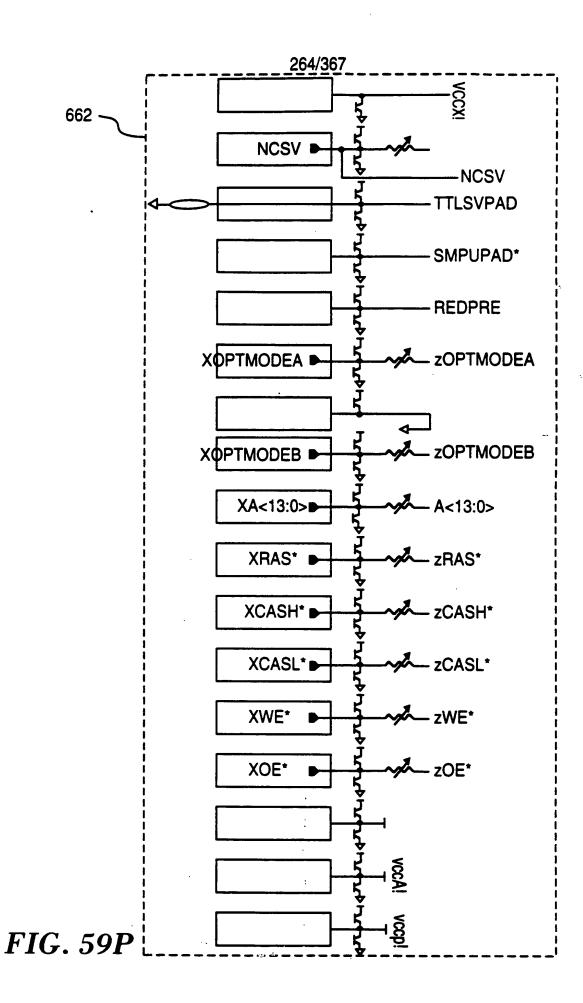
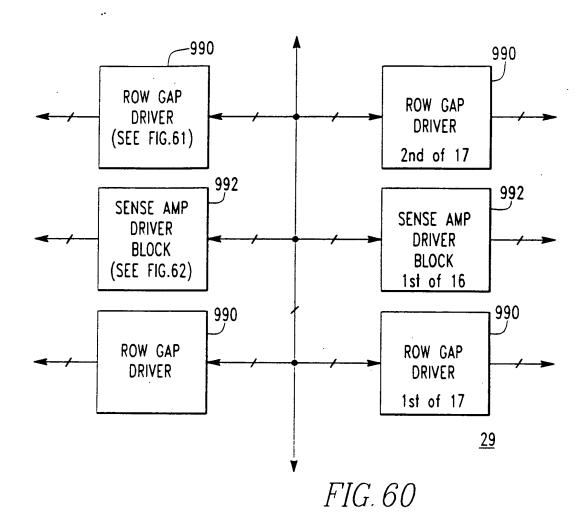
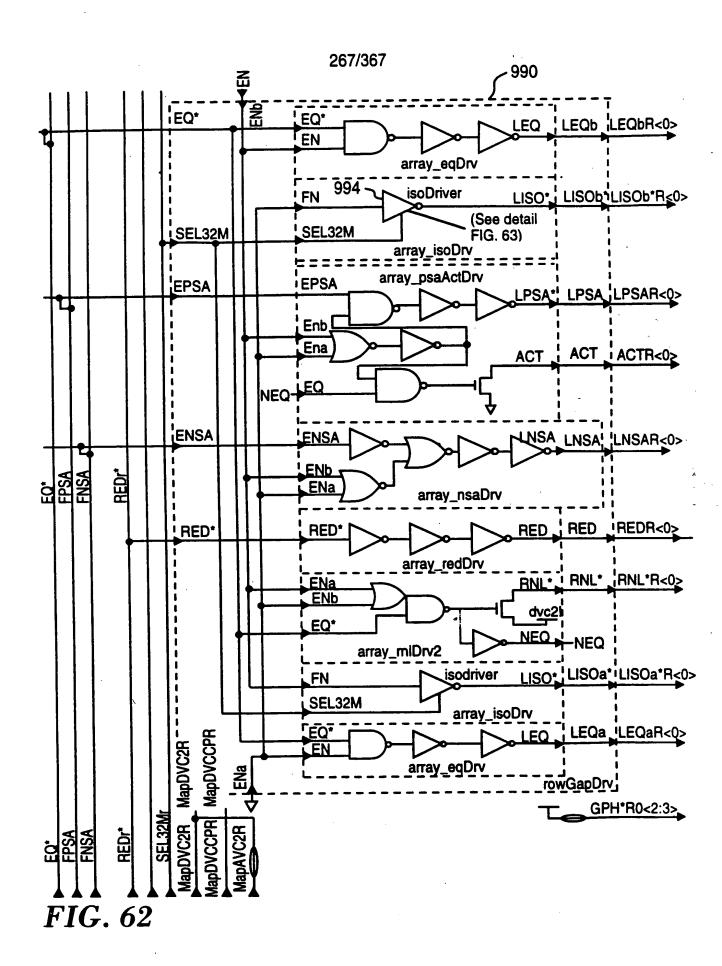


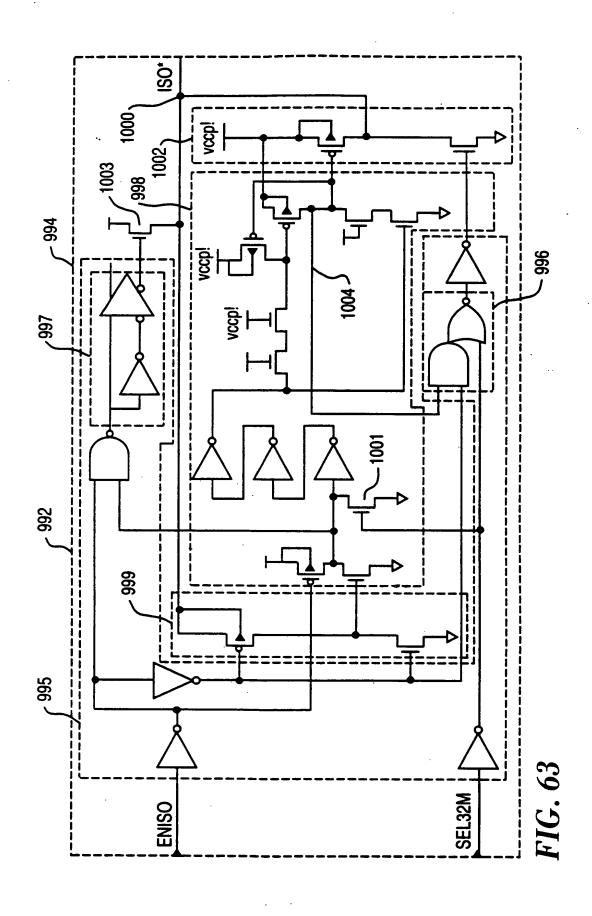
FIG. 59N











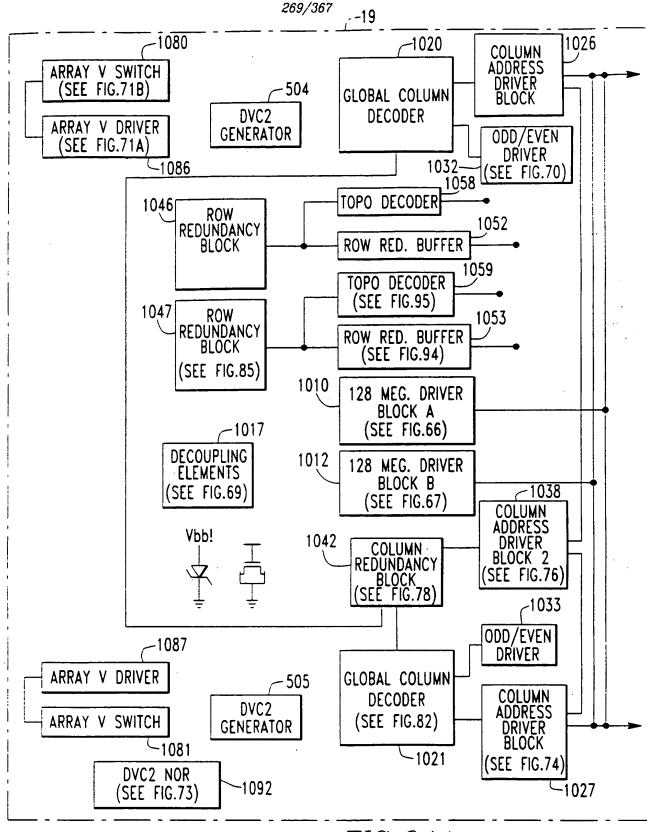


FIG. 64A

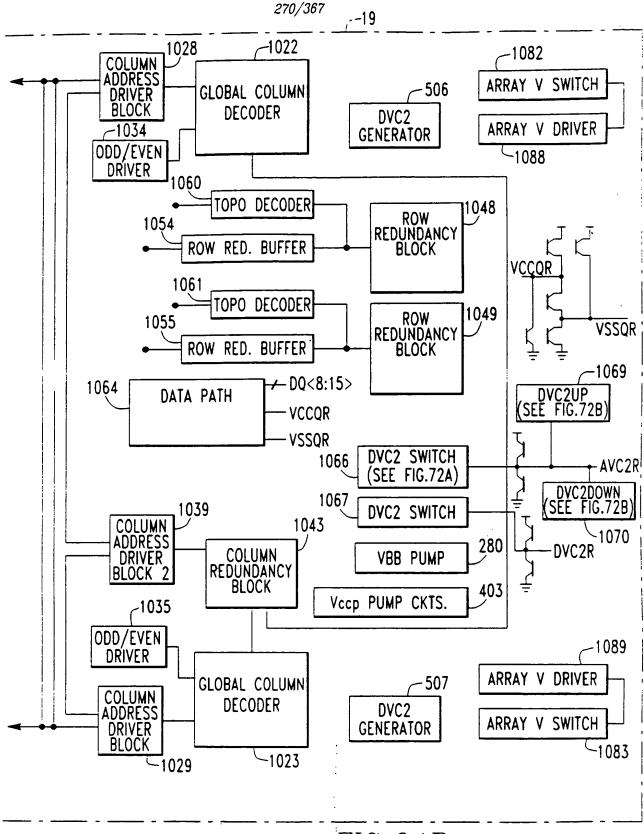


FIG. 64B

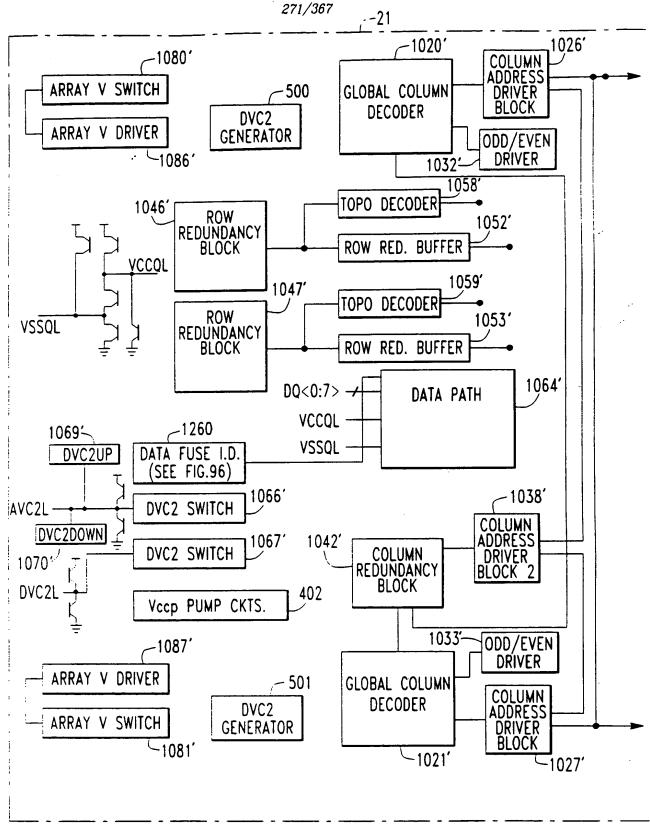


FIG. 65A

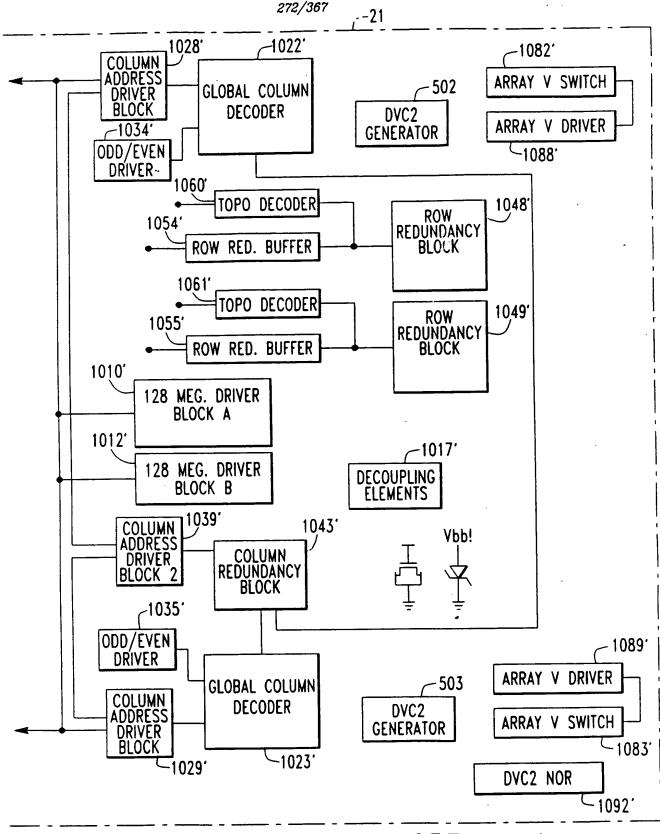


FIG. 65B

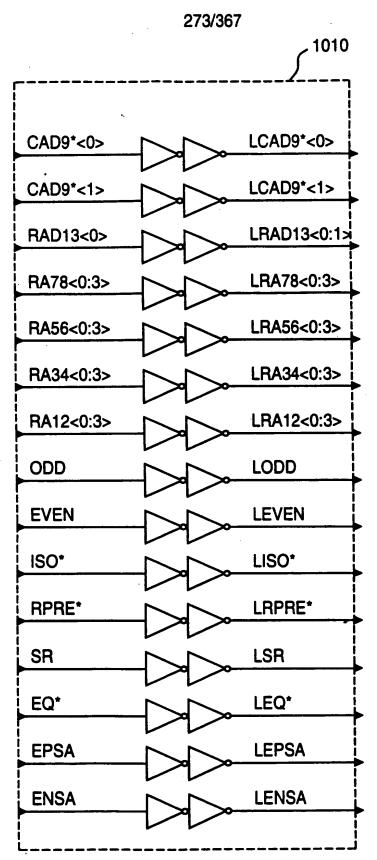
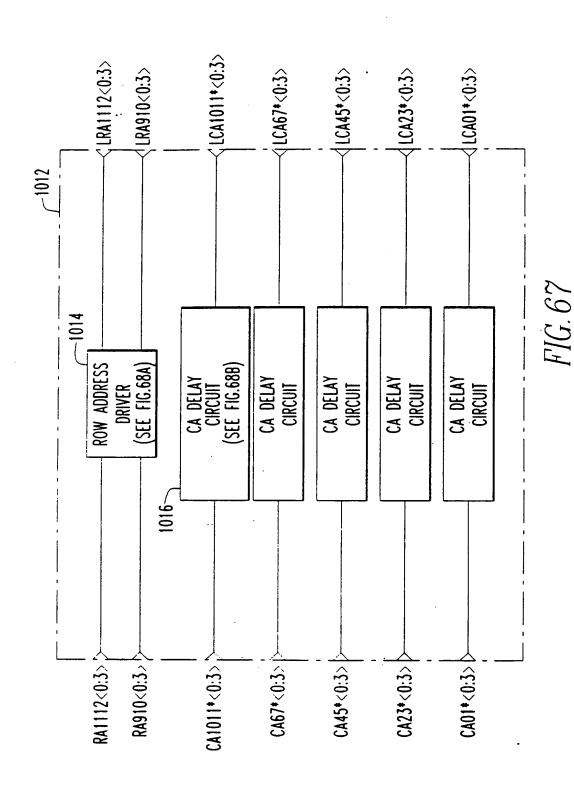


FIG. 66





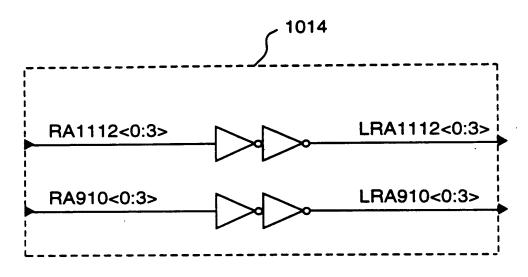


FIG. 68A

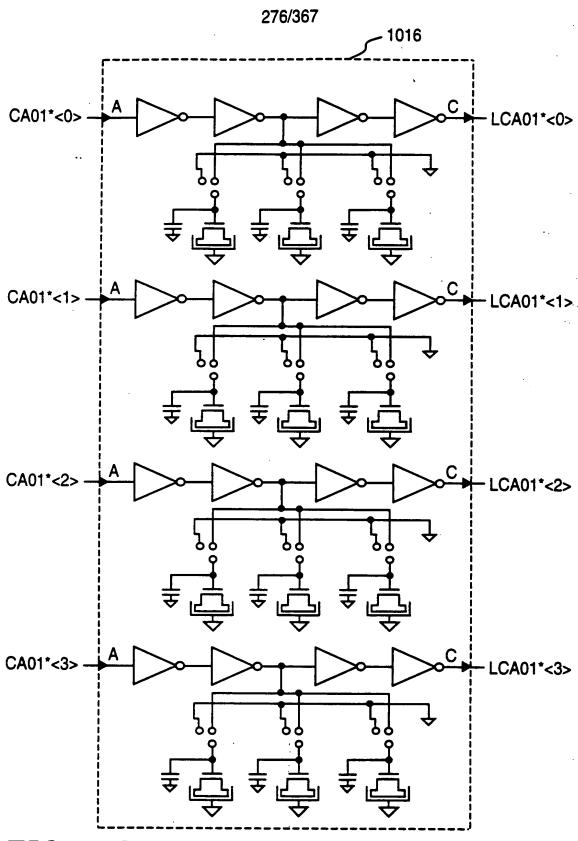


FIG. 68B

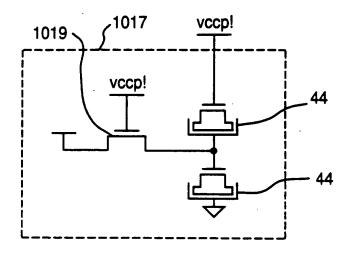


FIG. 69

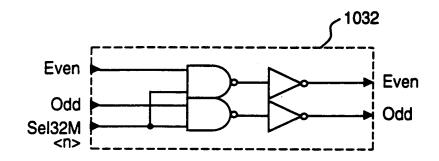
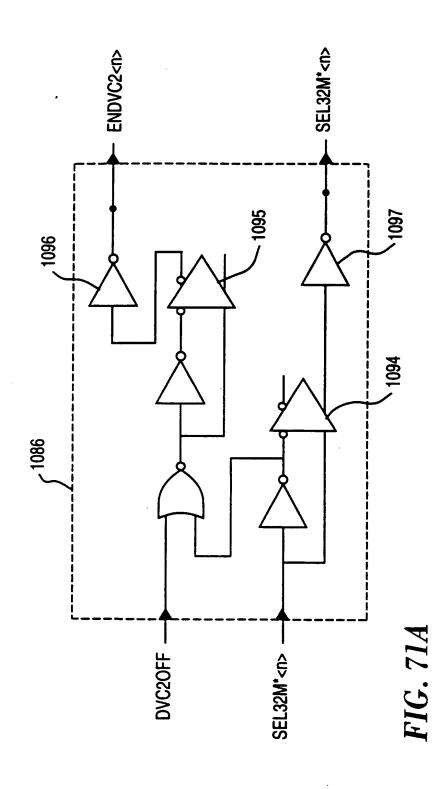


FIG. 70



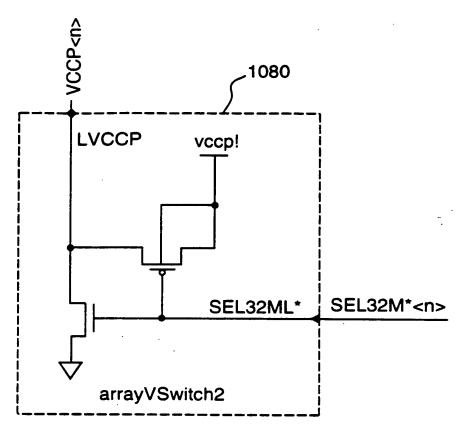


FIG. 71B

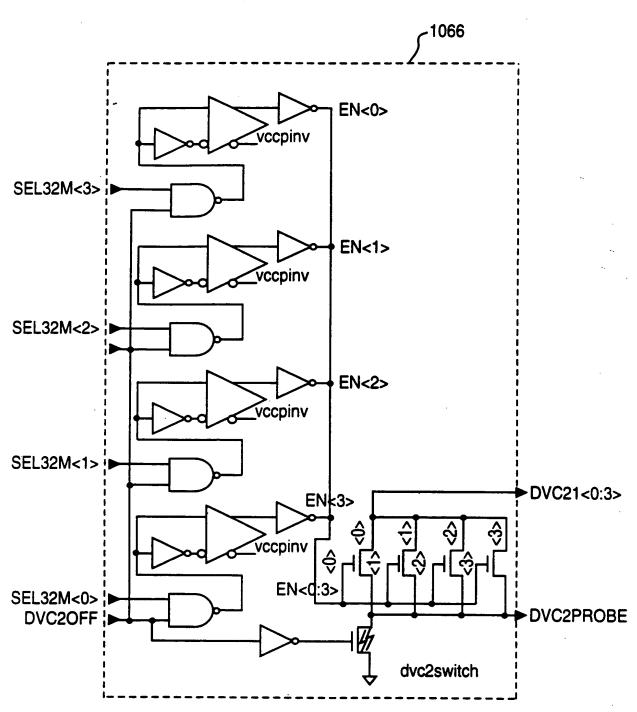


FIG. 72A

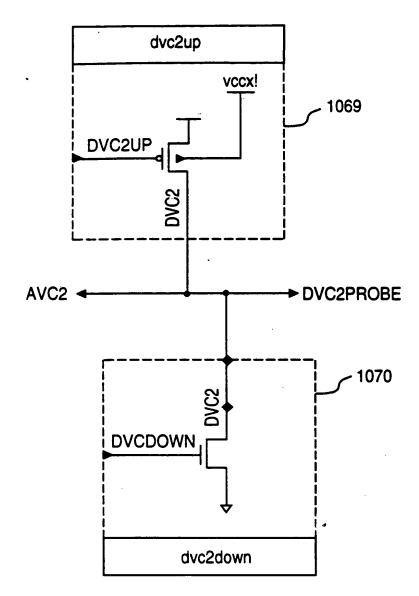
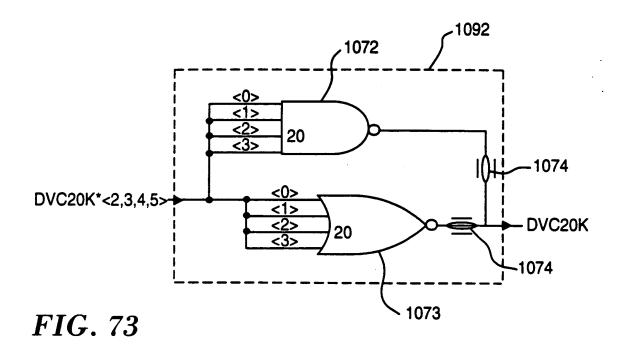
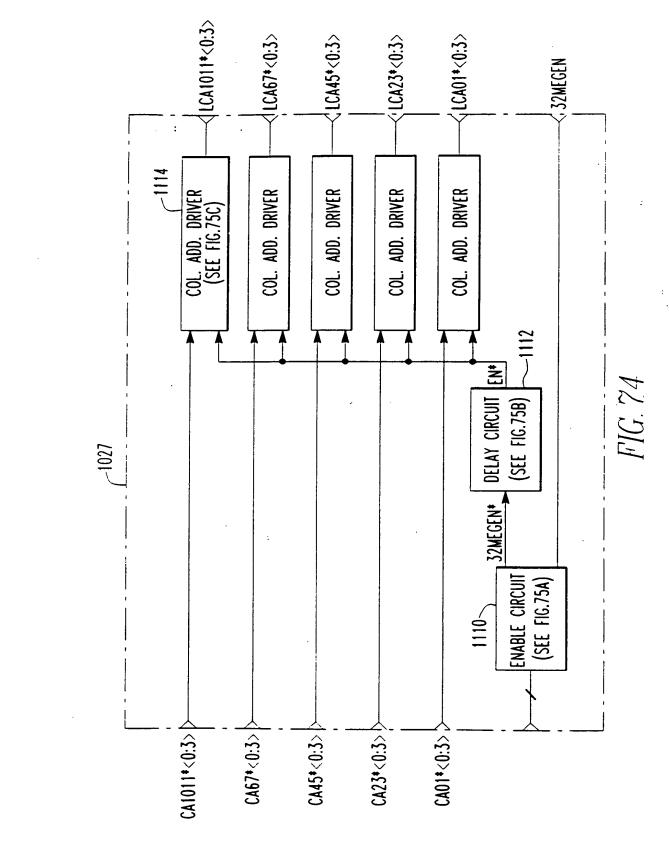


FIG. 72B





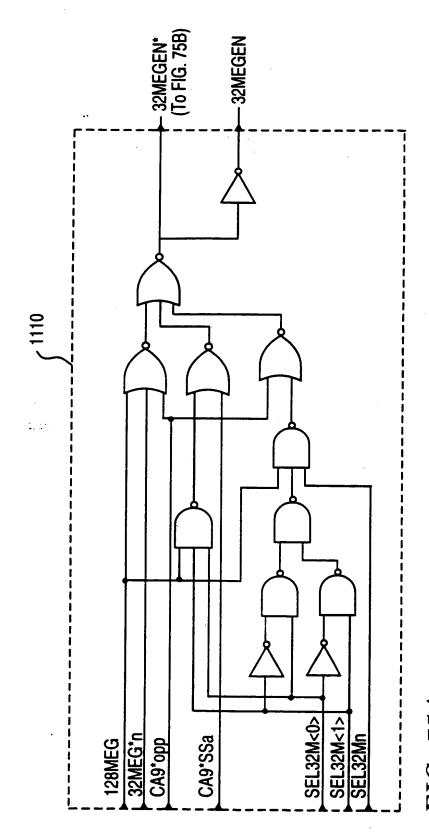


FIG. 75A

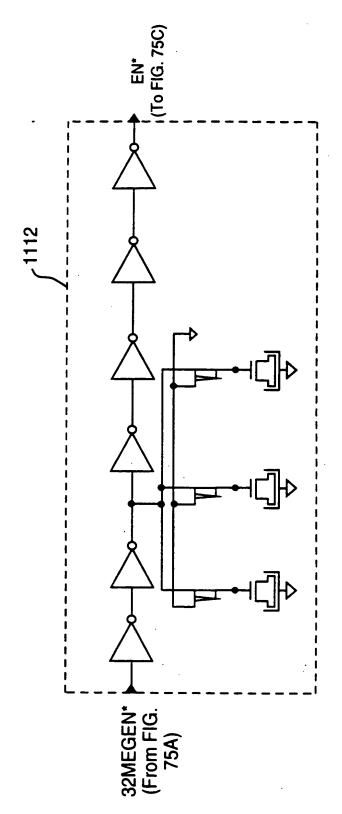
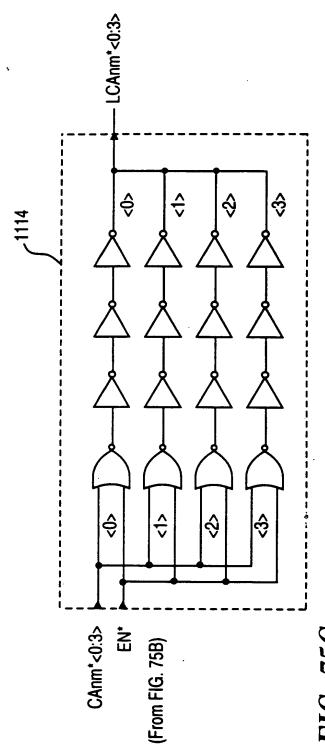
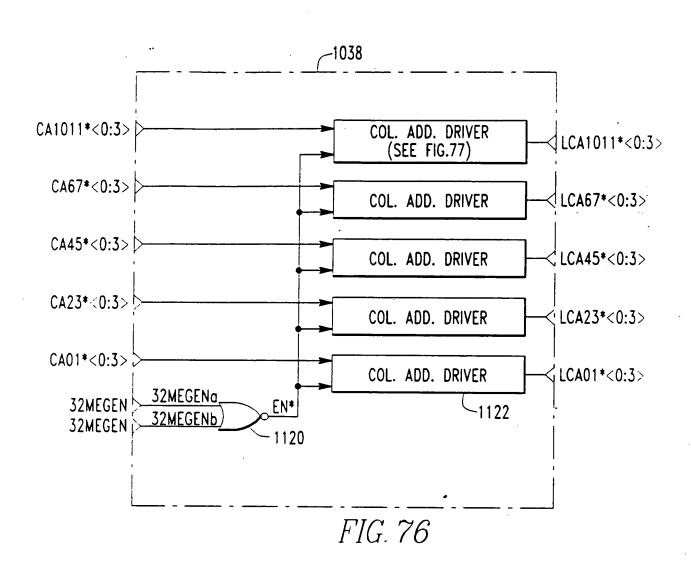


FIG. 75E



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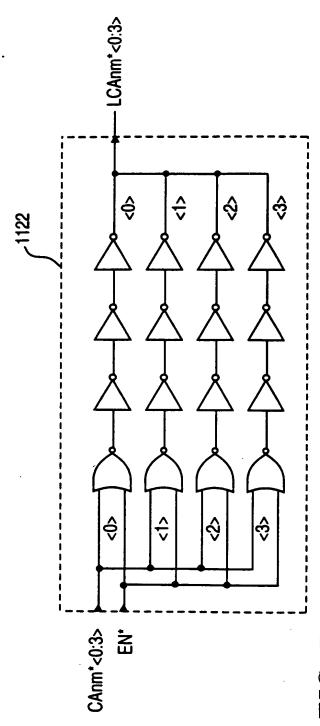


FIG. 7

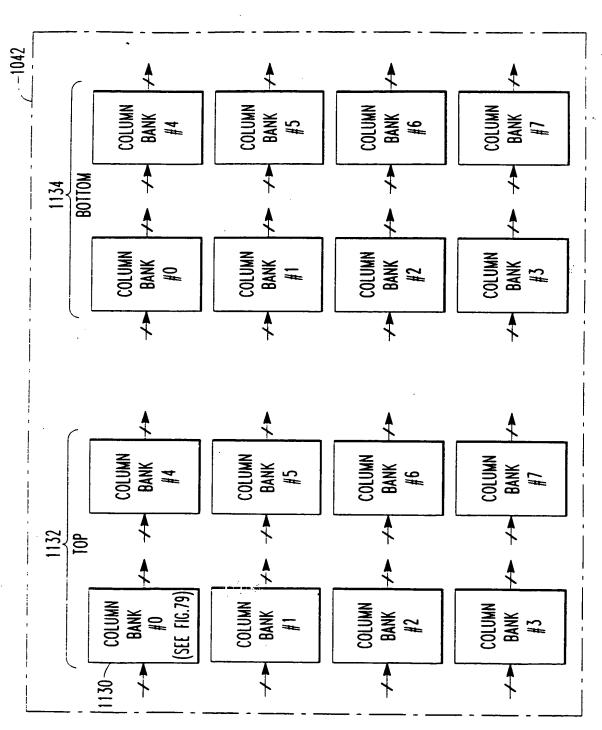
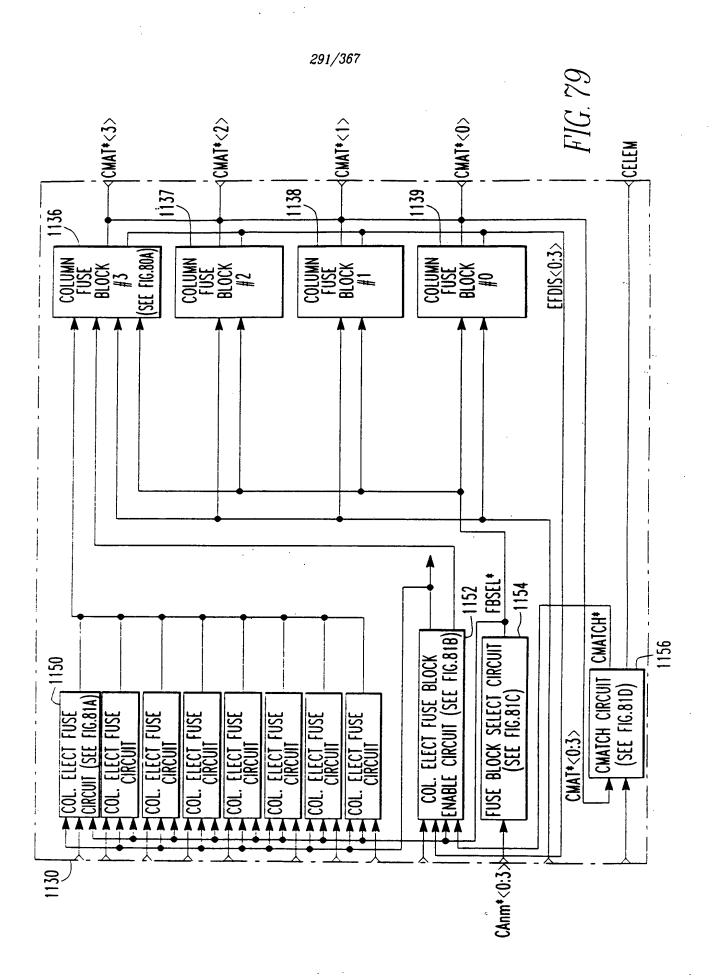


FIG. 78



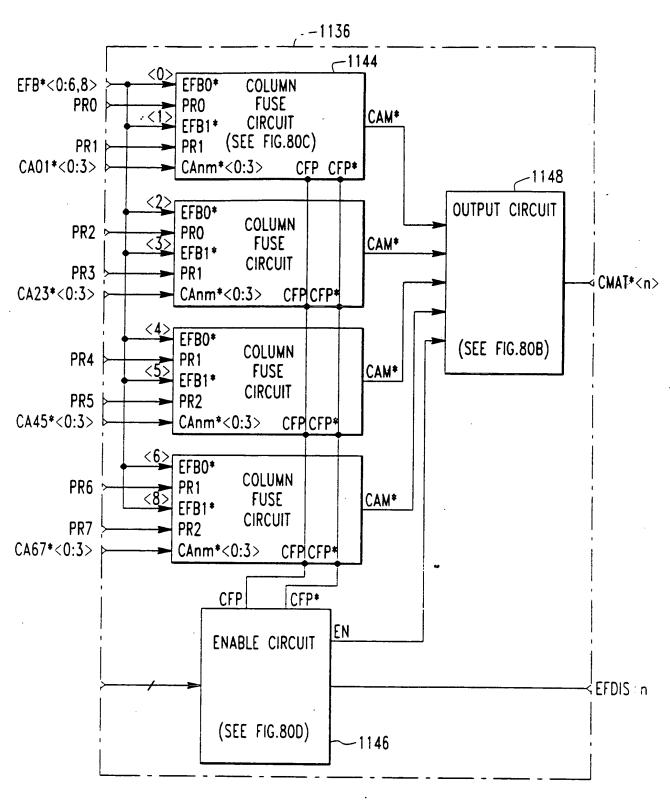
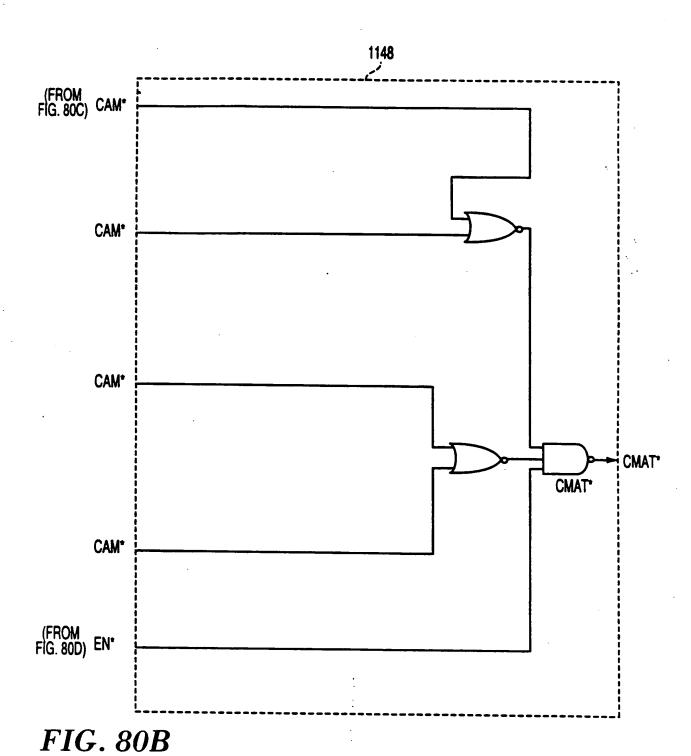
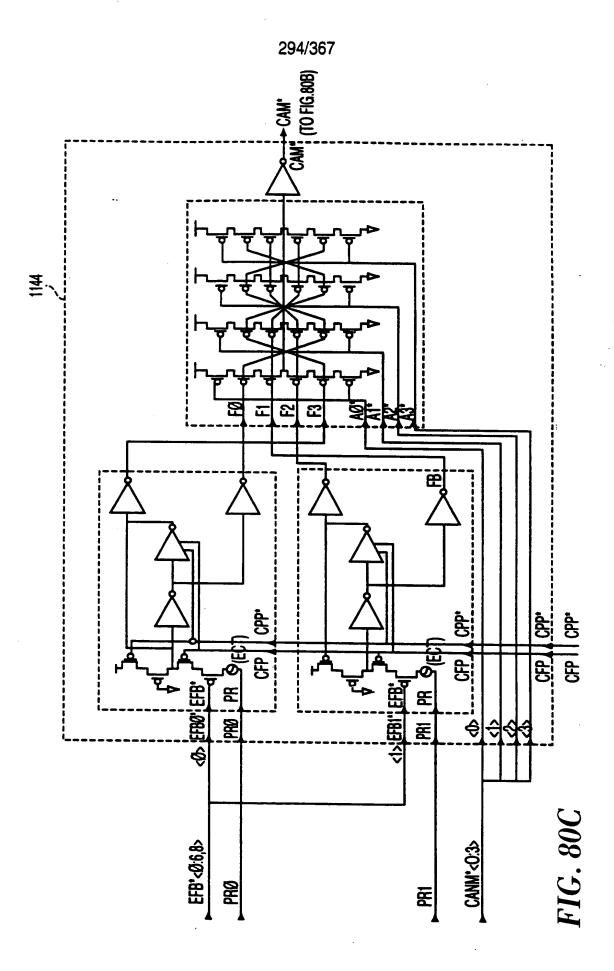
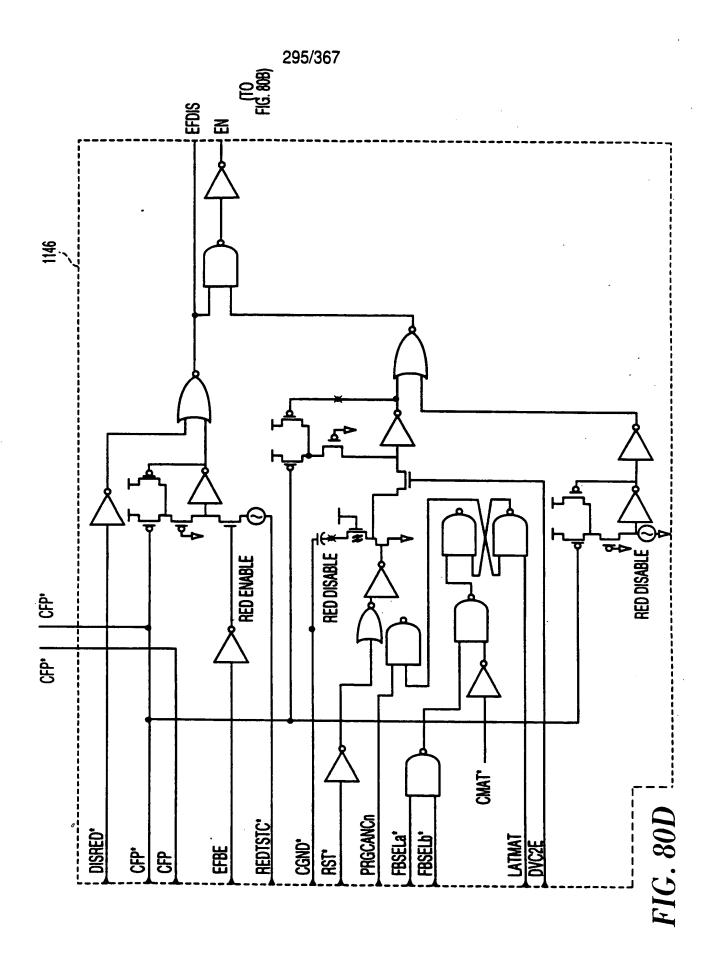


FIG. 80A







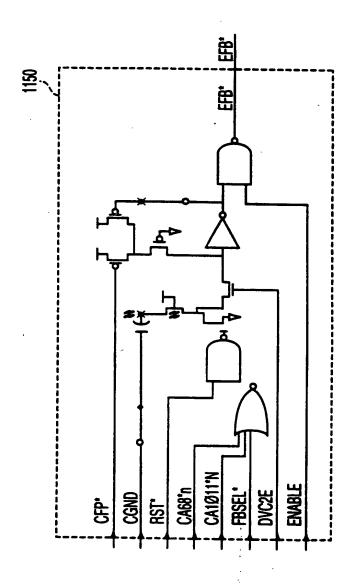


FIG. 814

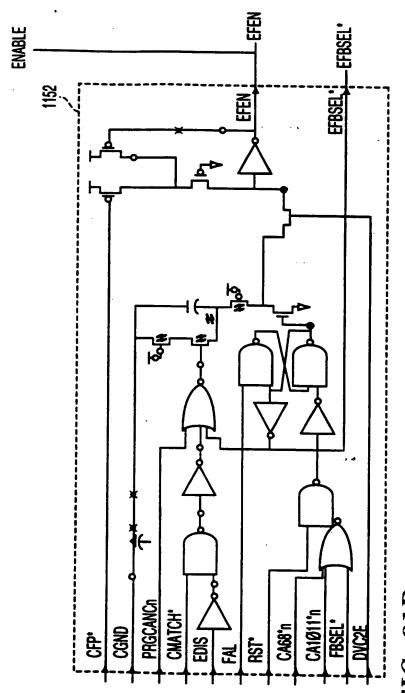


FIG. 81B

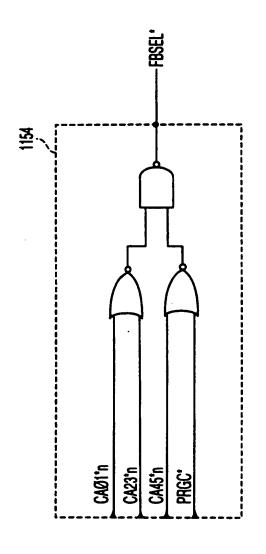
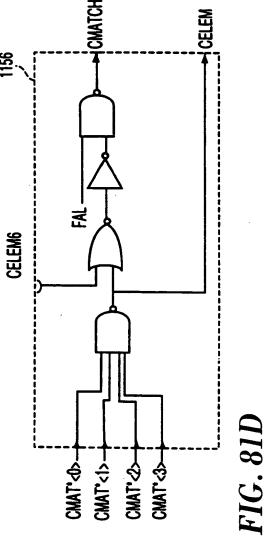


FIG. 81C



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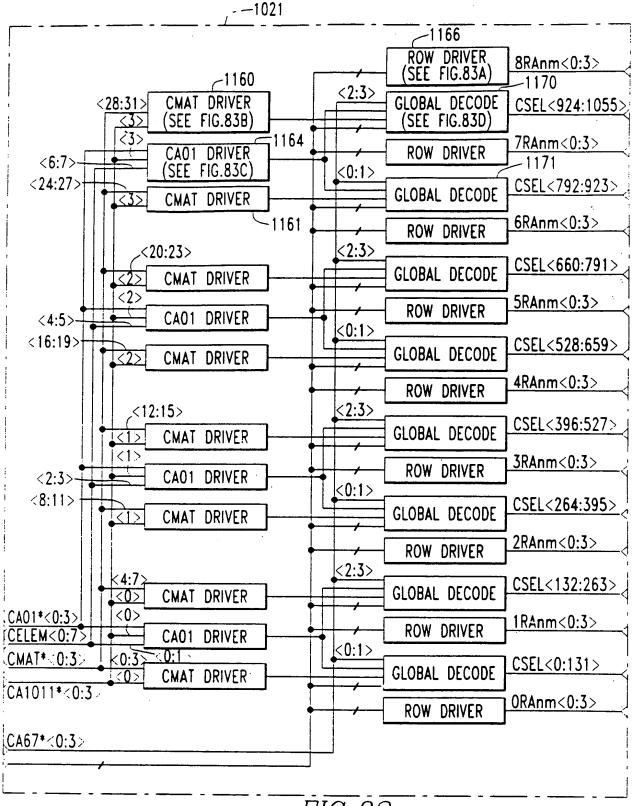
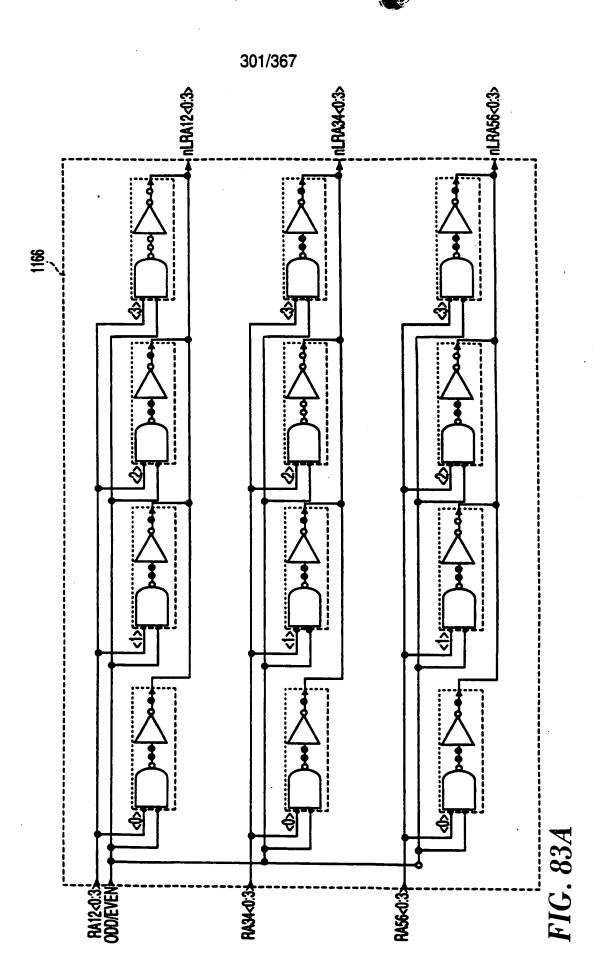


FIG. 82



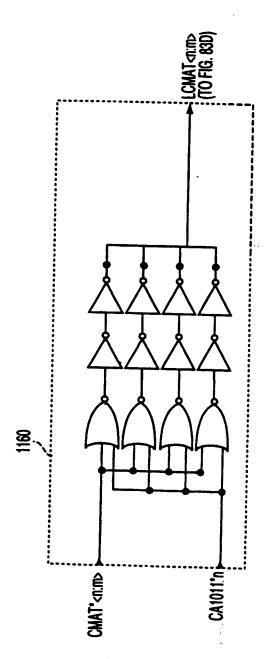


FIG.~83I

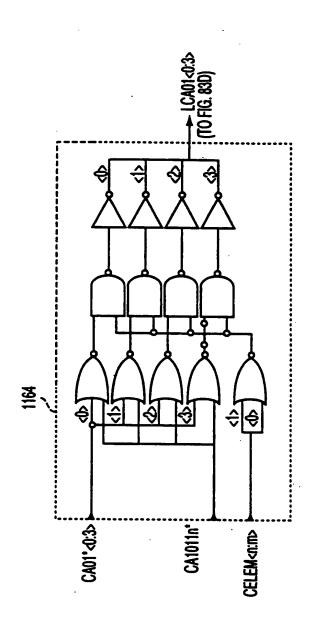
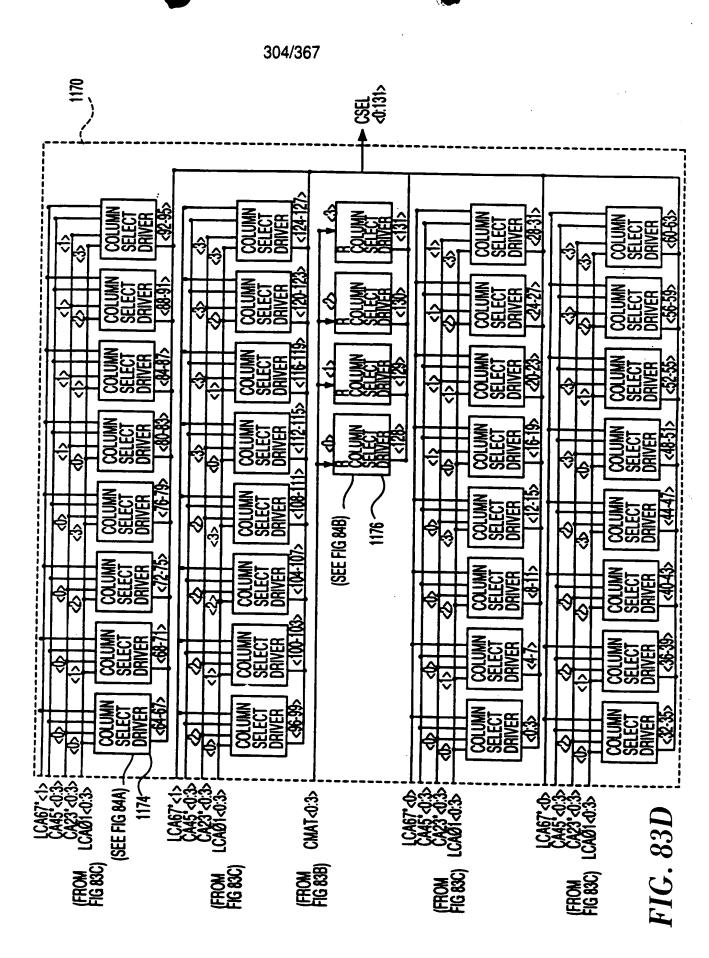


FIG. 83C



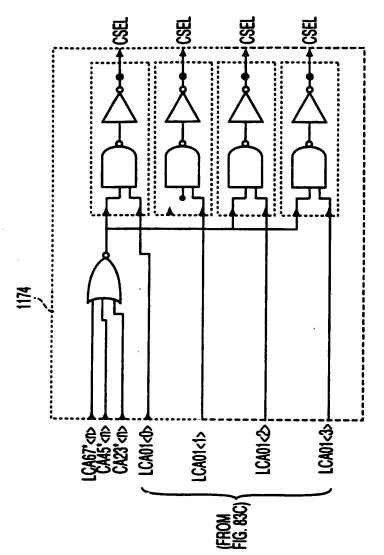


FIG. 84A

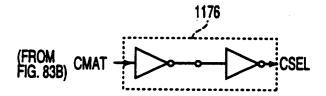


FIG. 84B

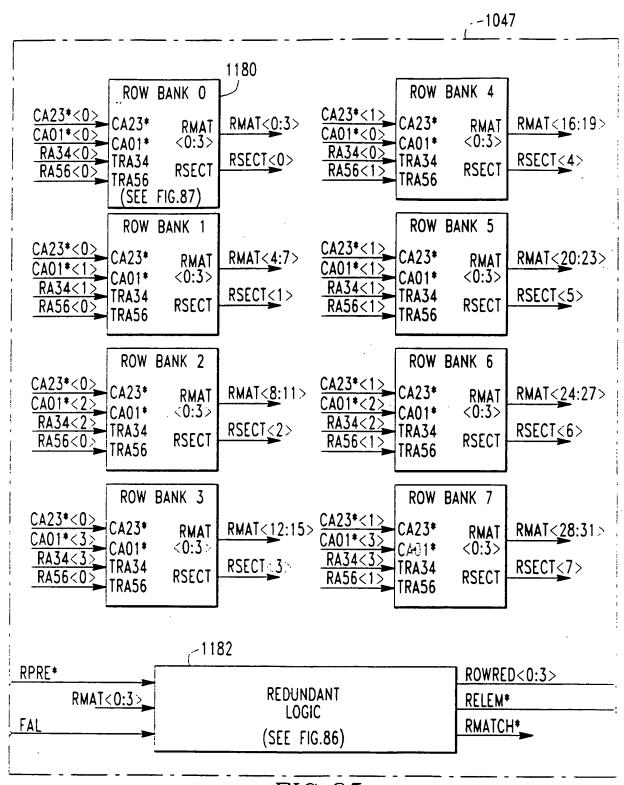
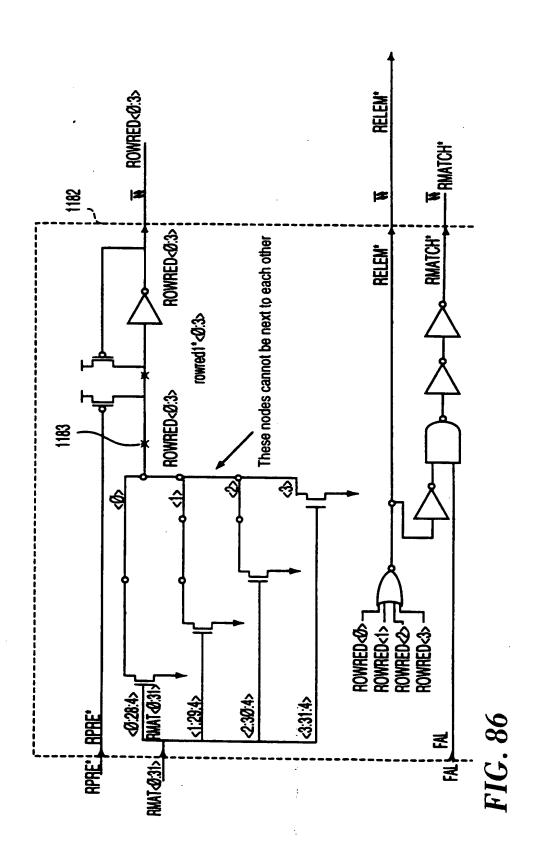


FIG. 85



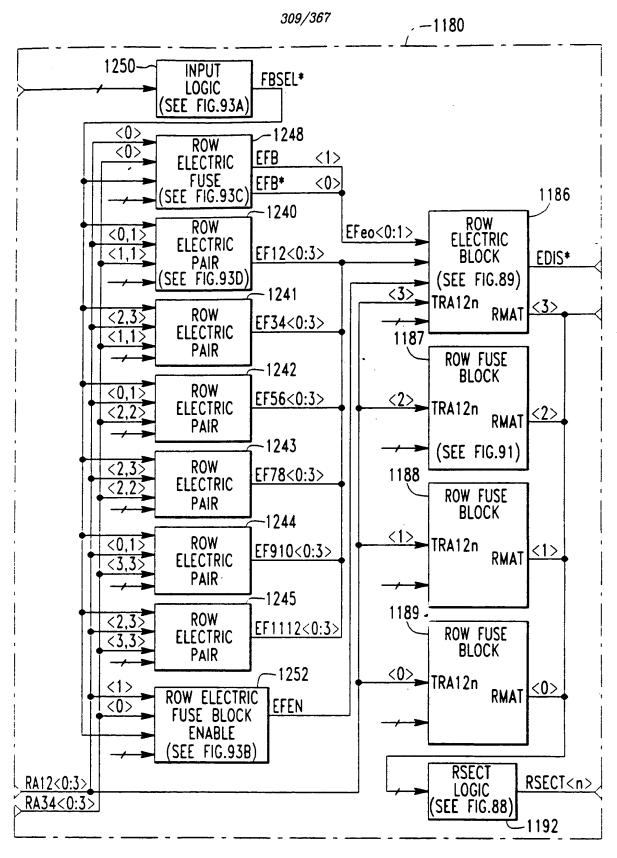


FIG. 87

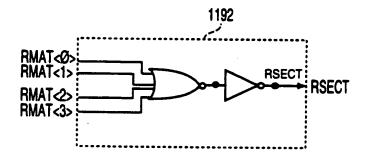
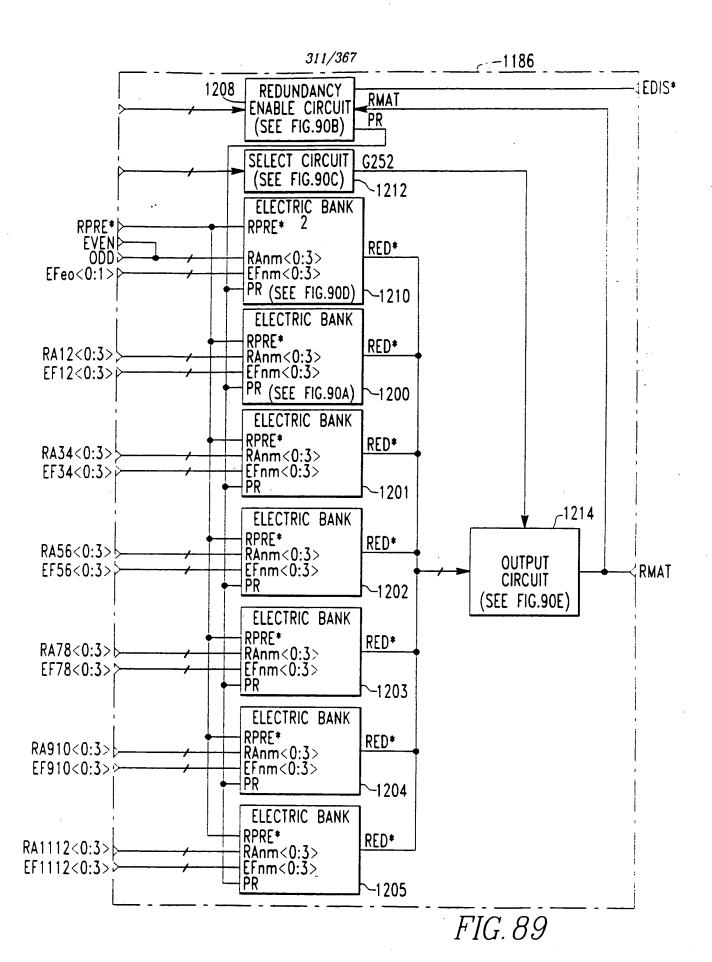


FIG. 88



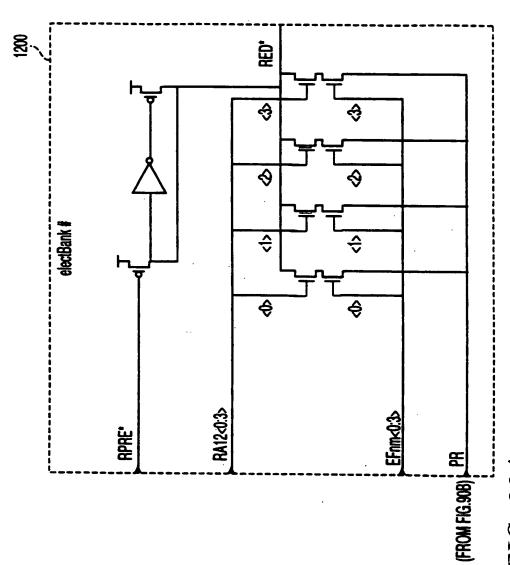


FIG. 904

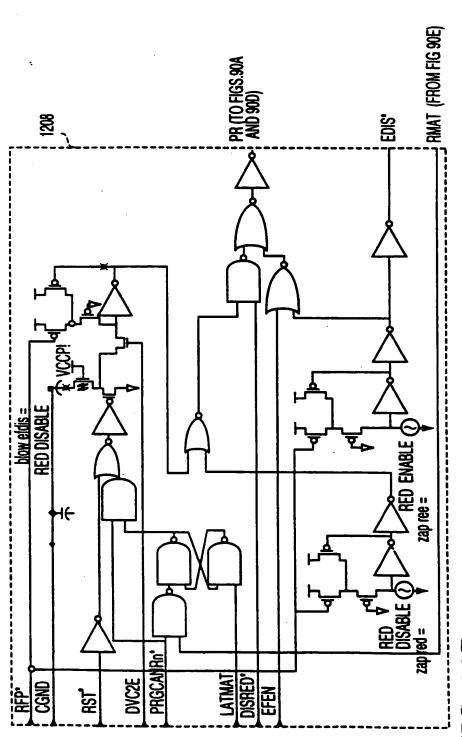
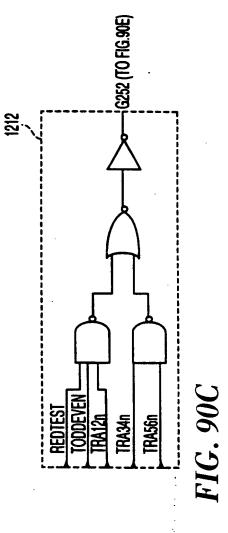


FIG.~90B



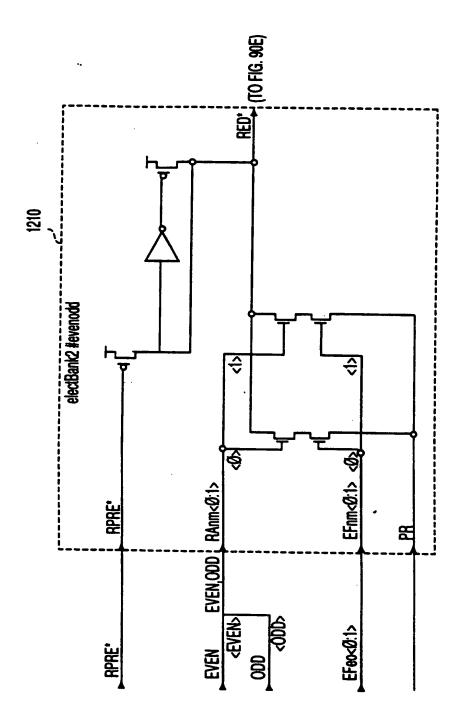


FIG. 90D

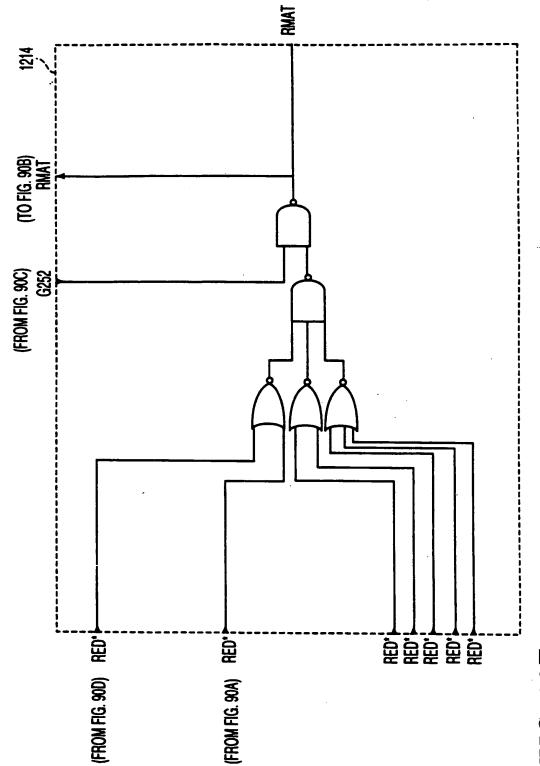


FIG. 901

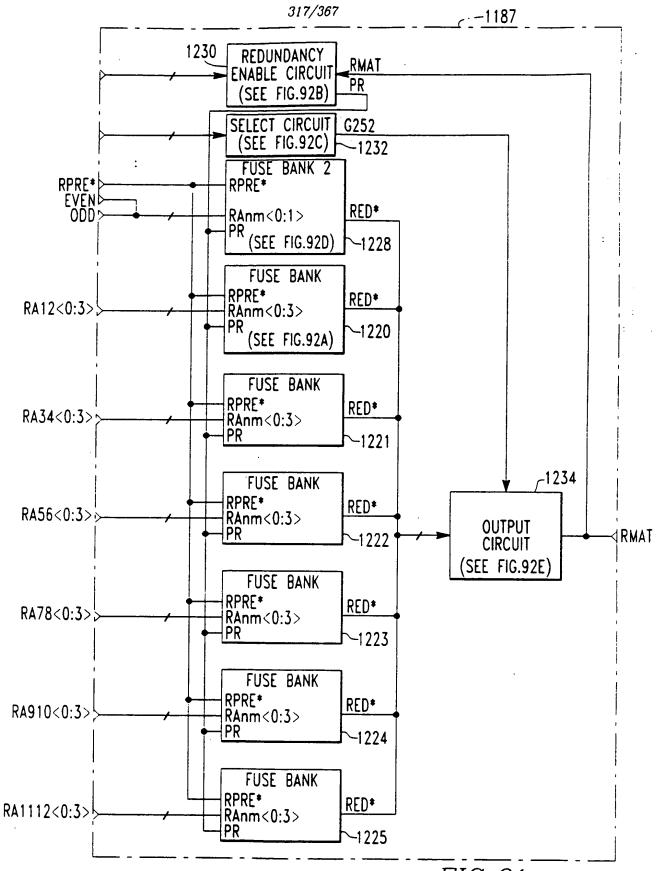


FIG. 91

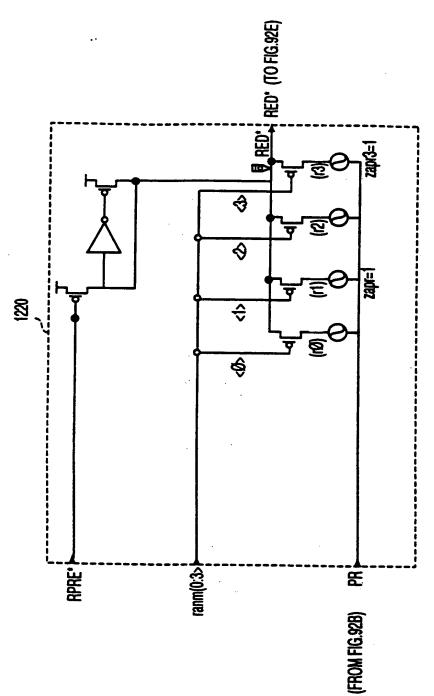
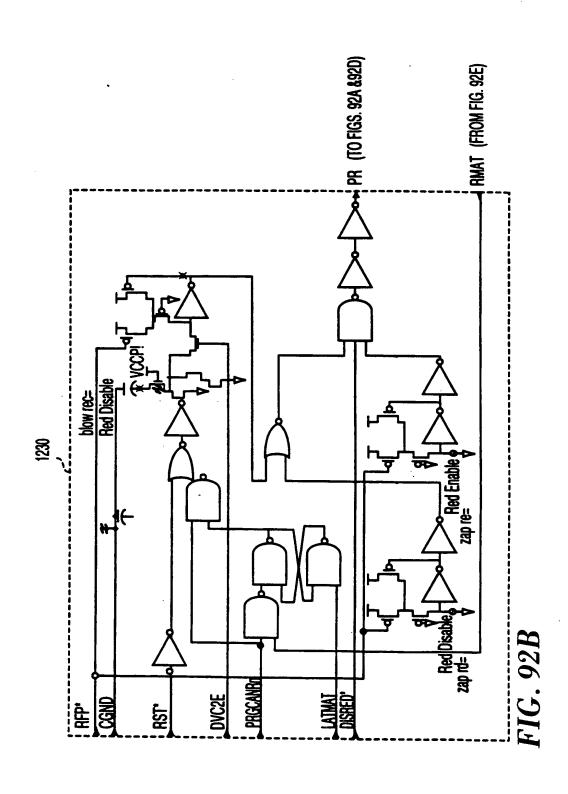


FIG.~92



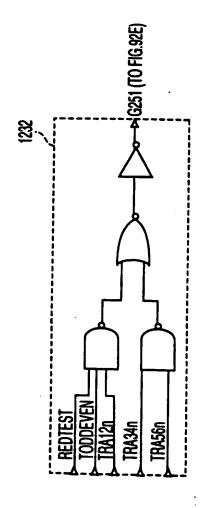


FIG. 92C

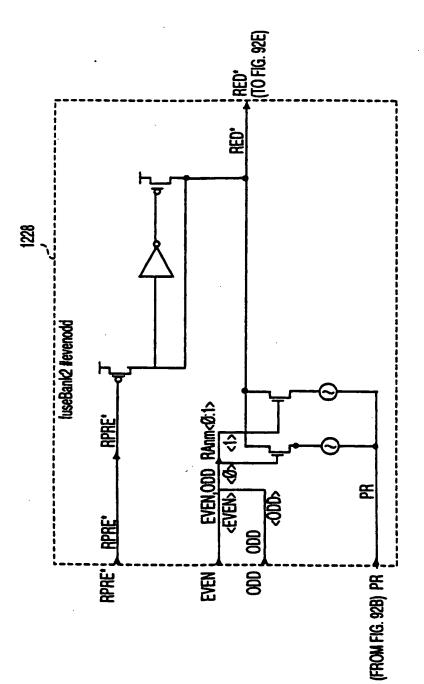
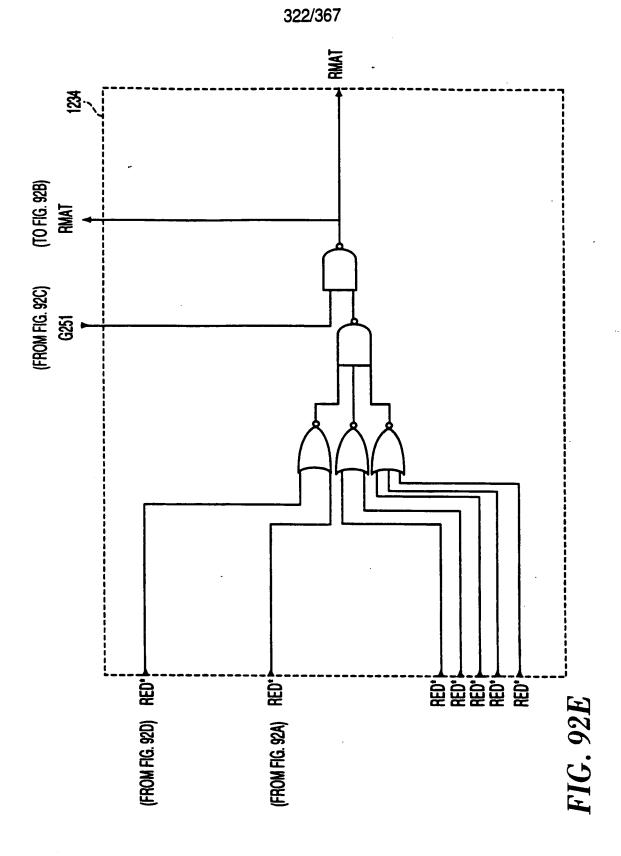


FIG. 92D



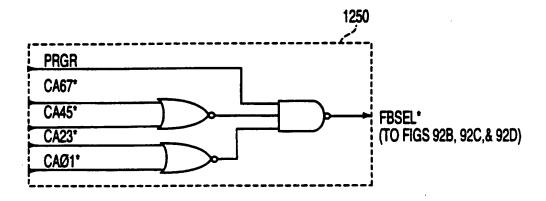
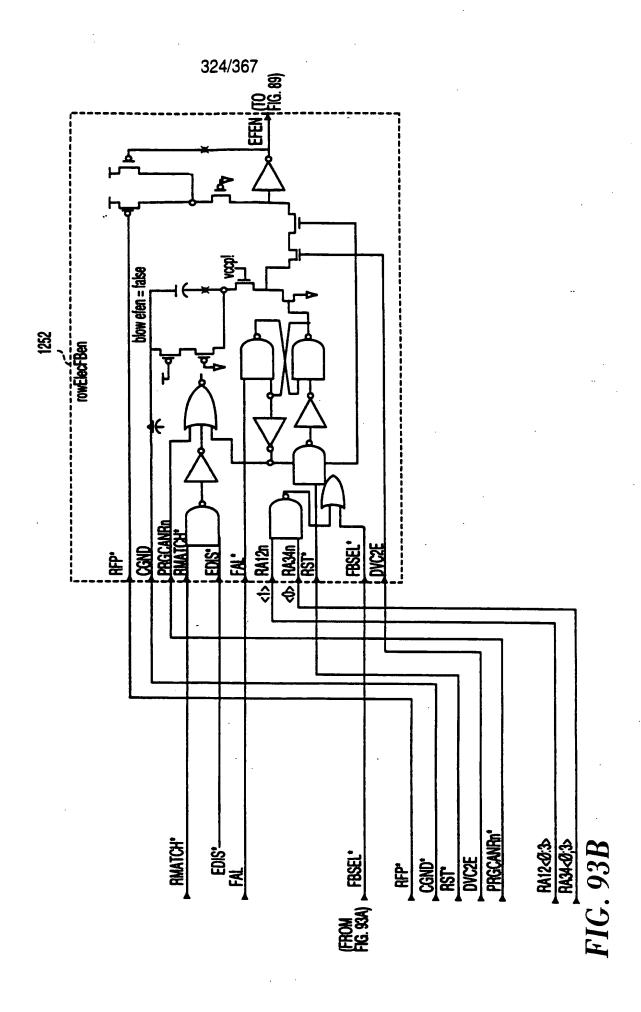


FIG. 93A



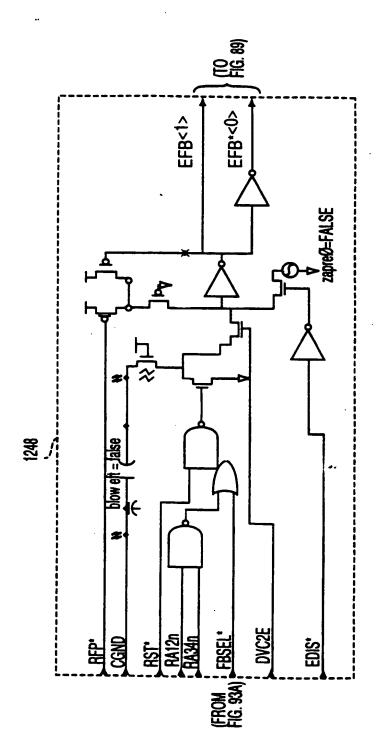


FIG. 93C

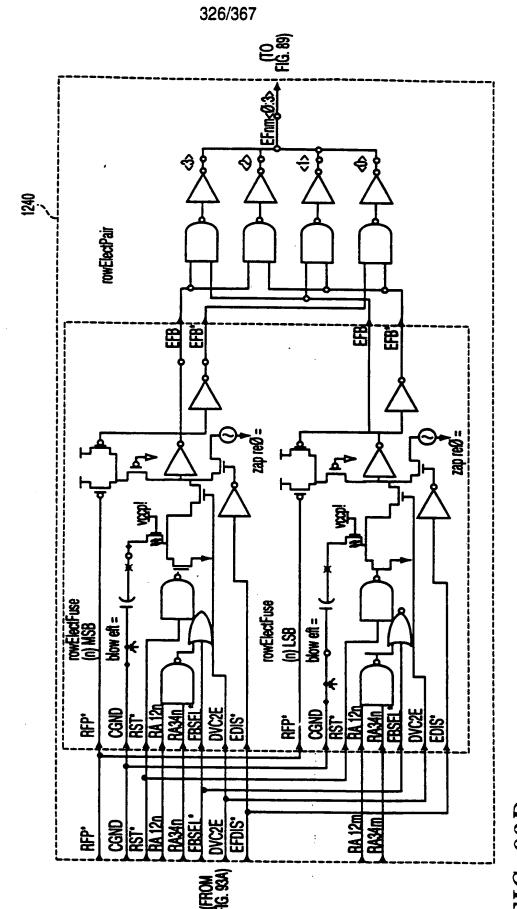


FIG. 93D

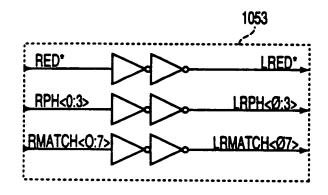


FIG. 94

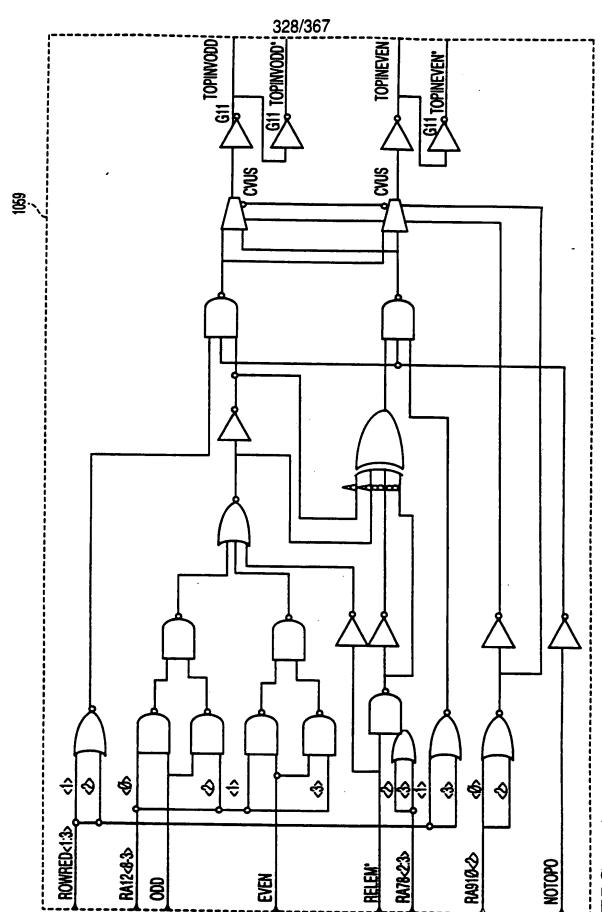


FIG. 95

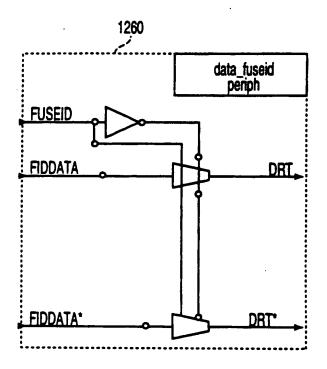
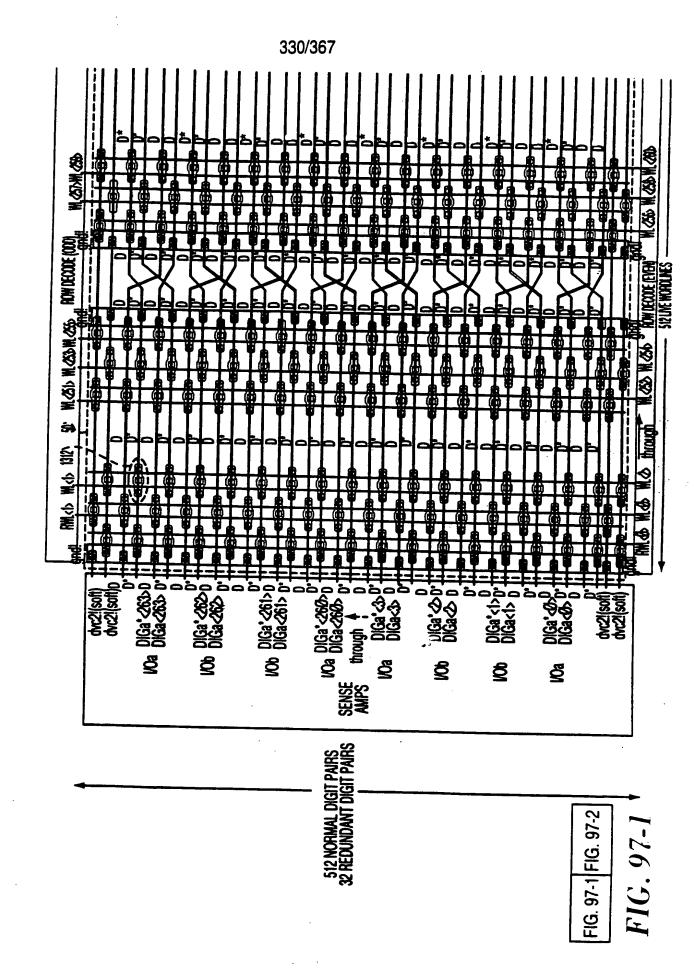
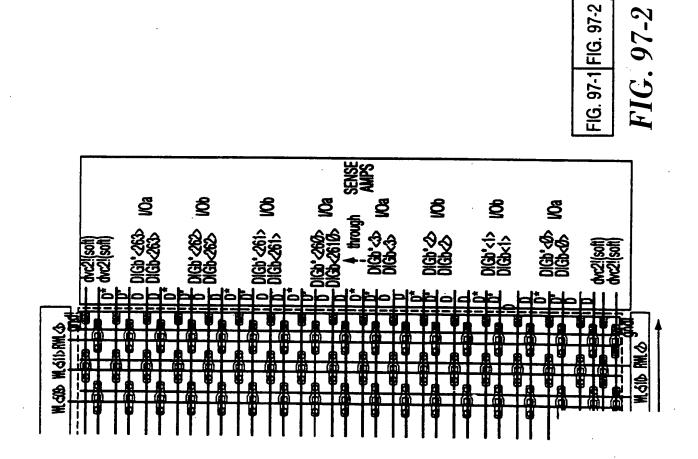


FIG. 96





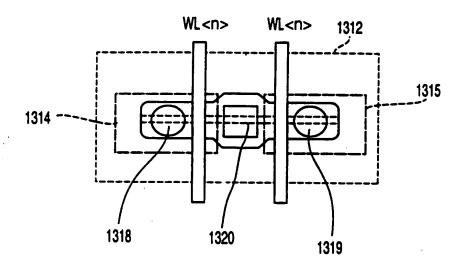
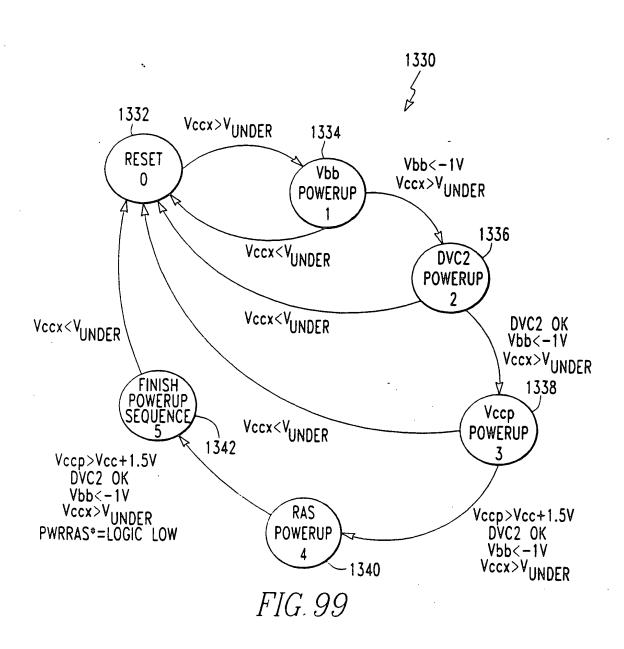
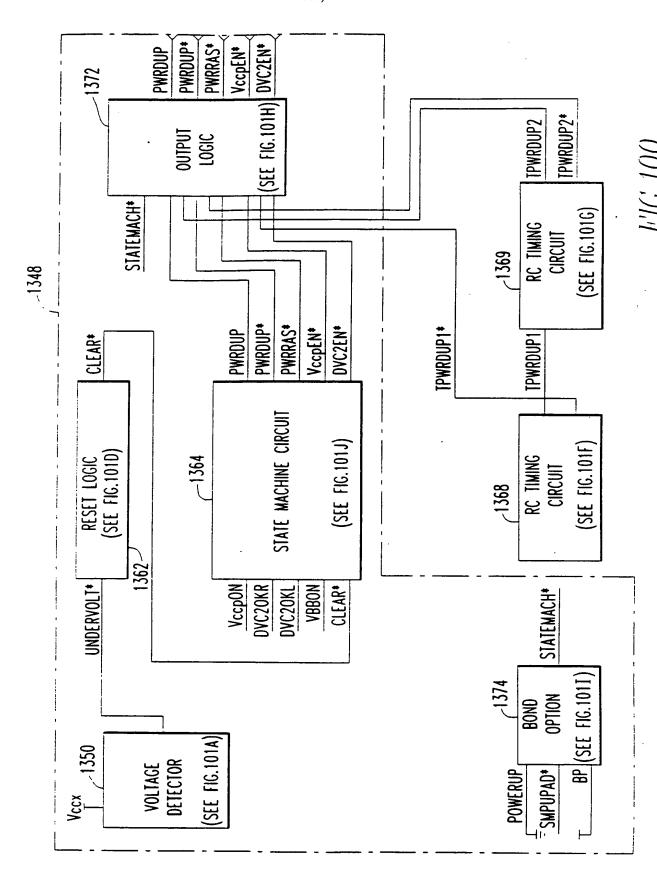


FIG. 98





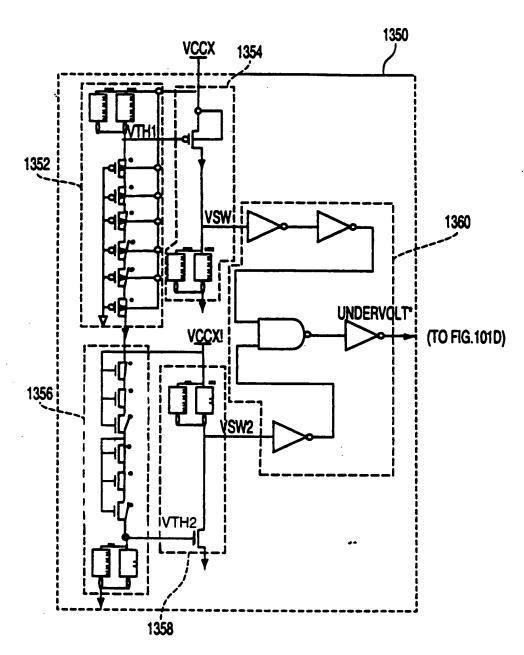


FIG. 101A

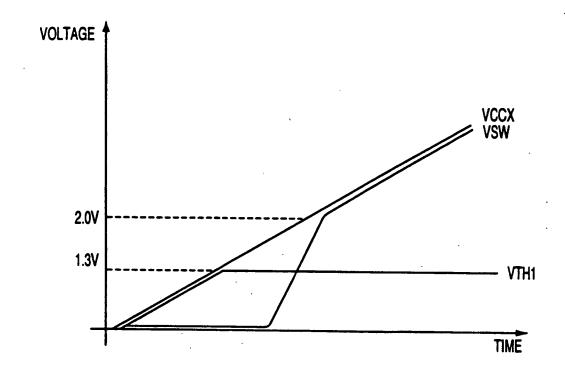


FIG. 101B

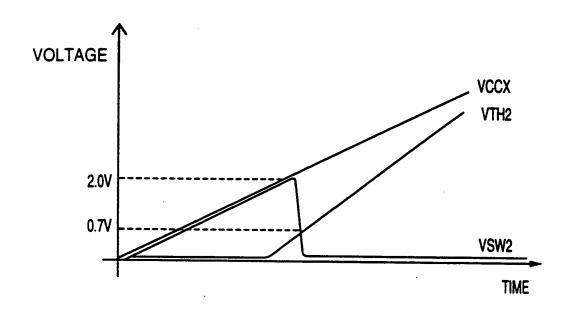


FIG. 101C

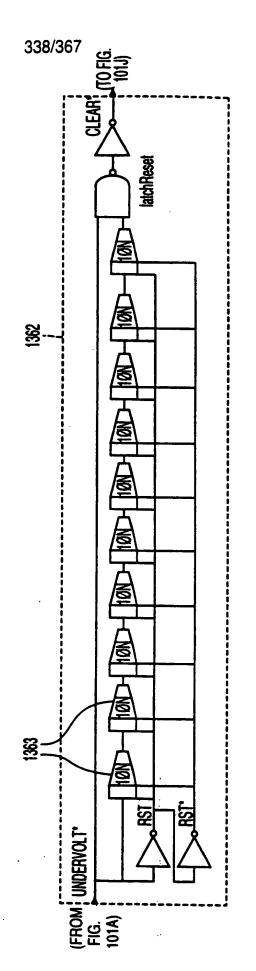


FIG. 101D

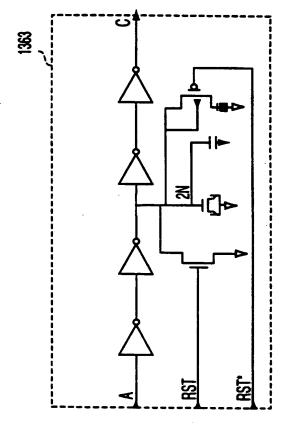


FIG. 101E

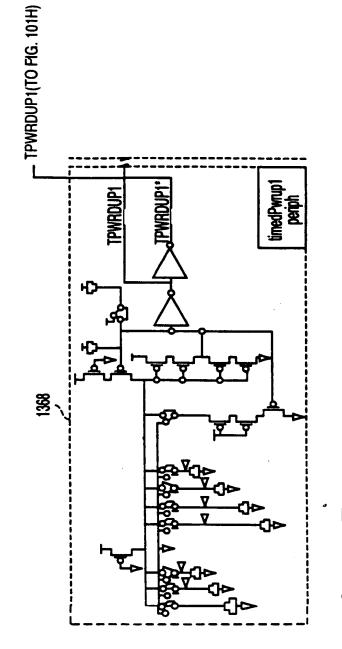
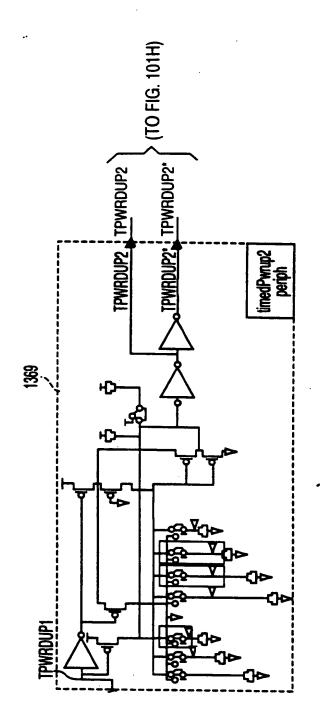
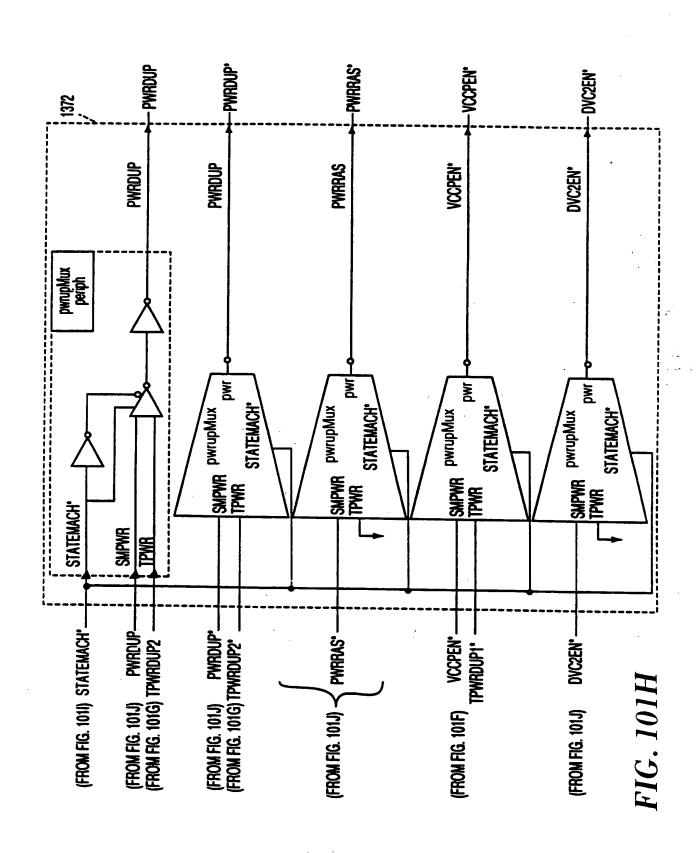


FIG. 101F



 $FIG.\ 101G$



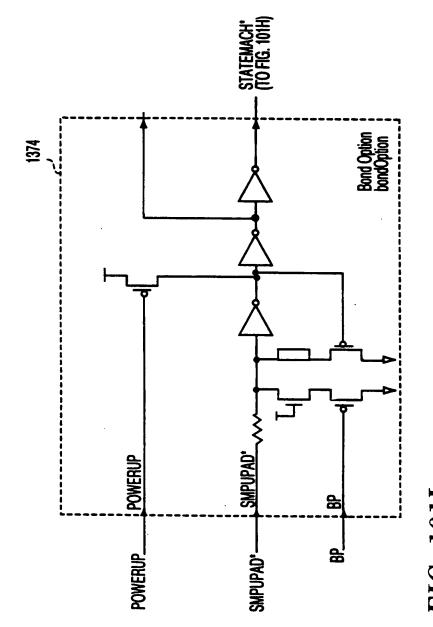
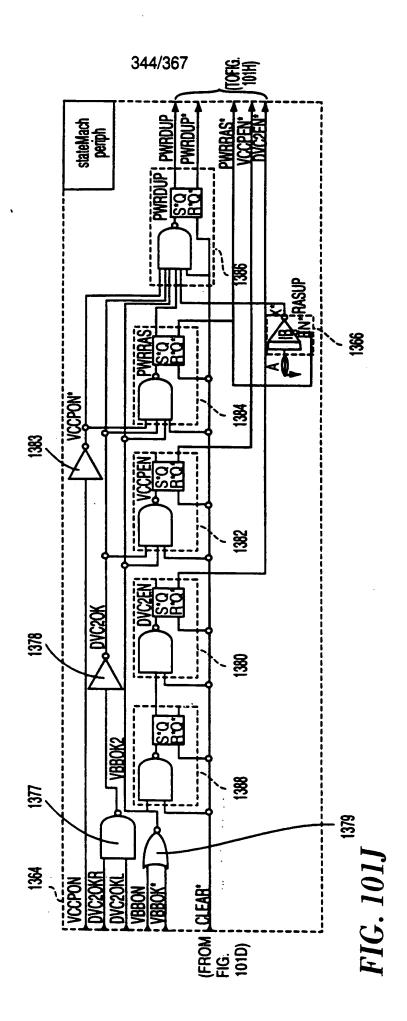
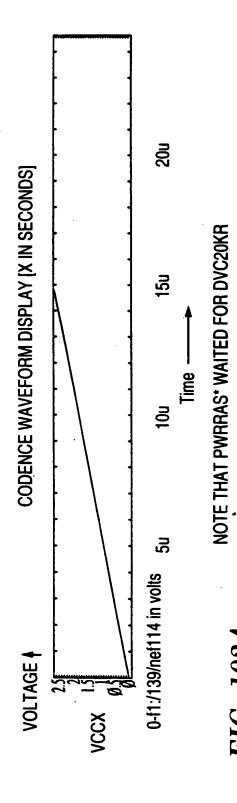
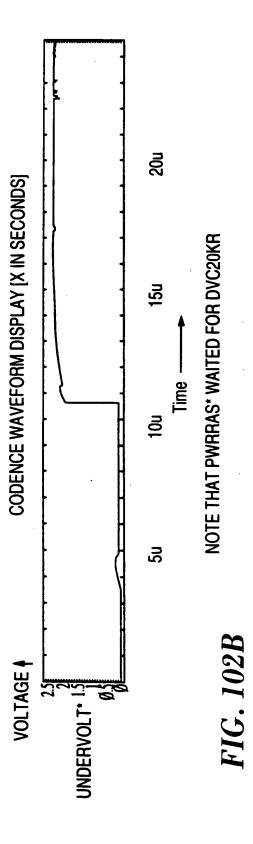
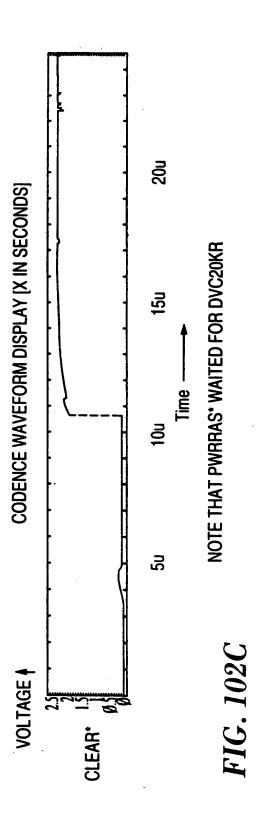


FIG. 1011









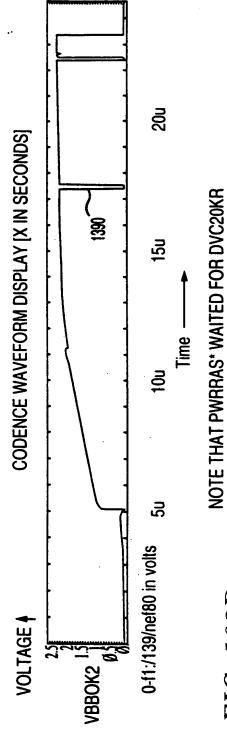


FIG.~102D

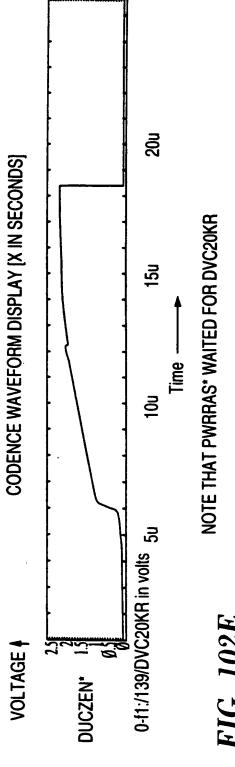


FIG. 102E

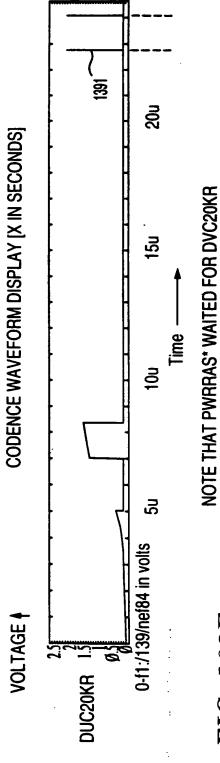
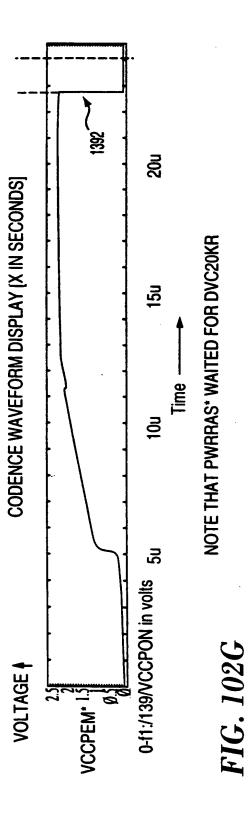
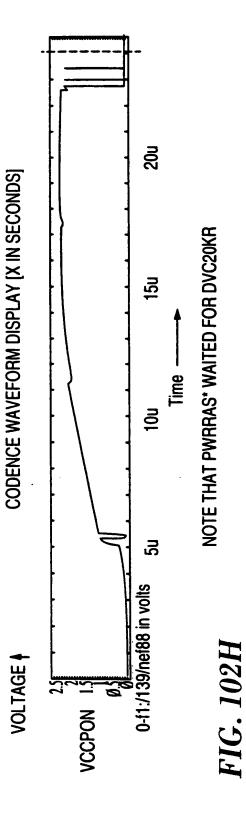
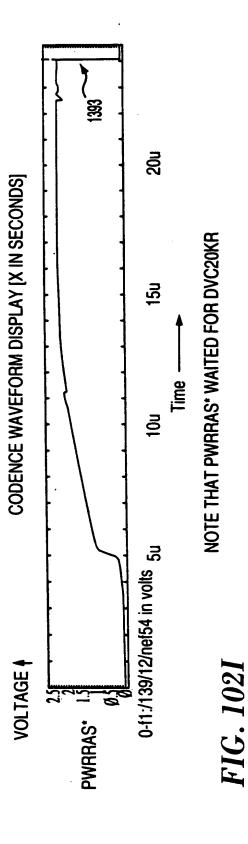


FIG. 102F







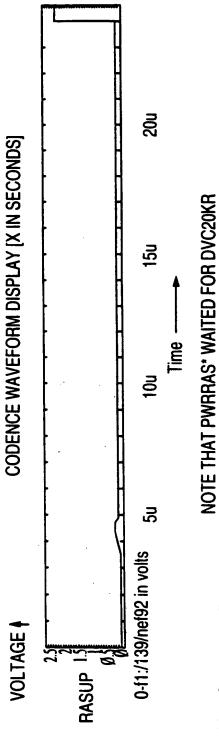
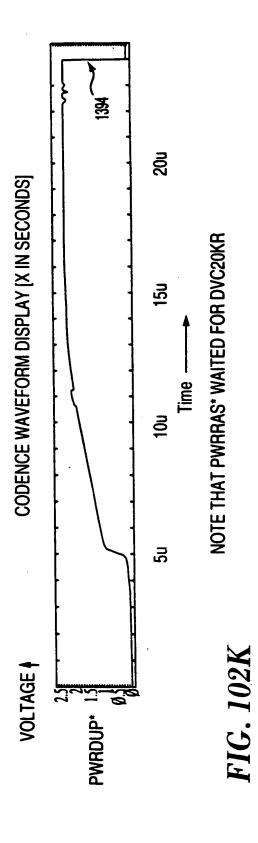
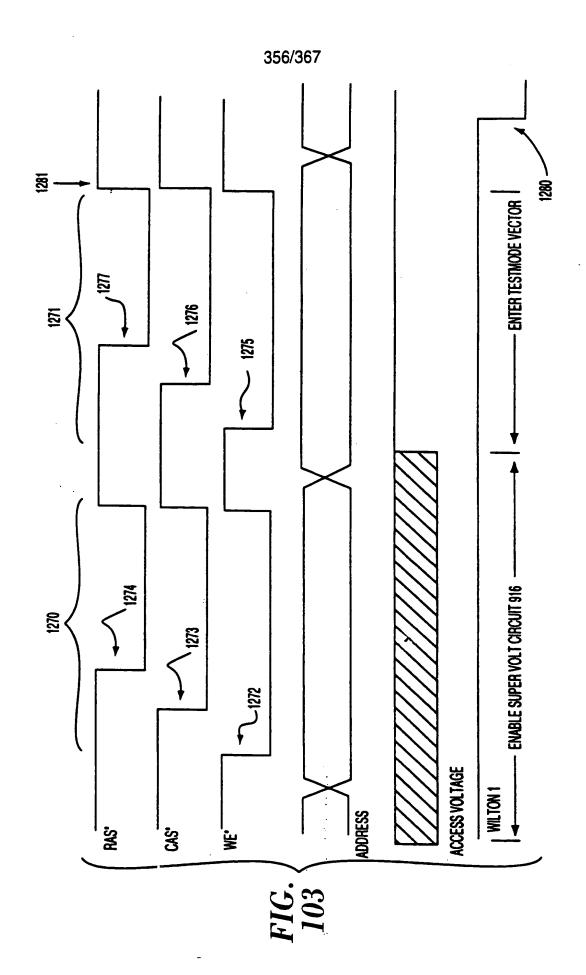
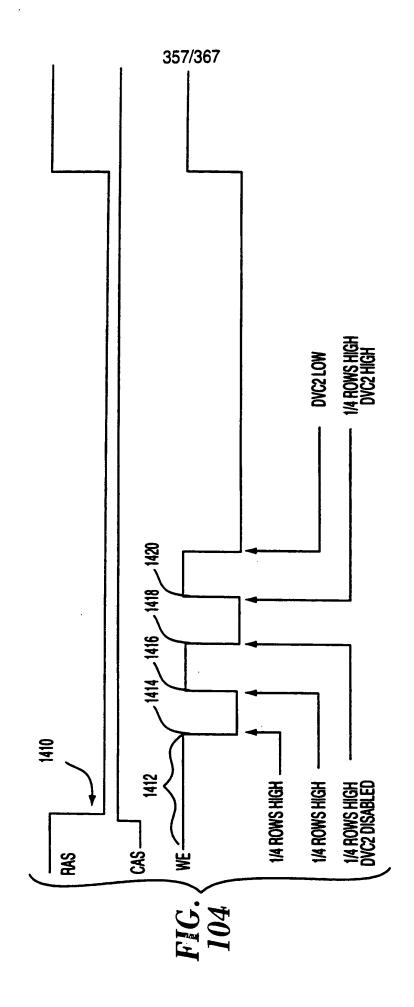
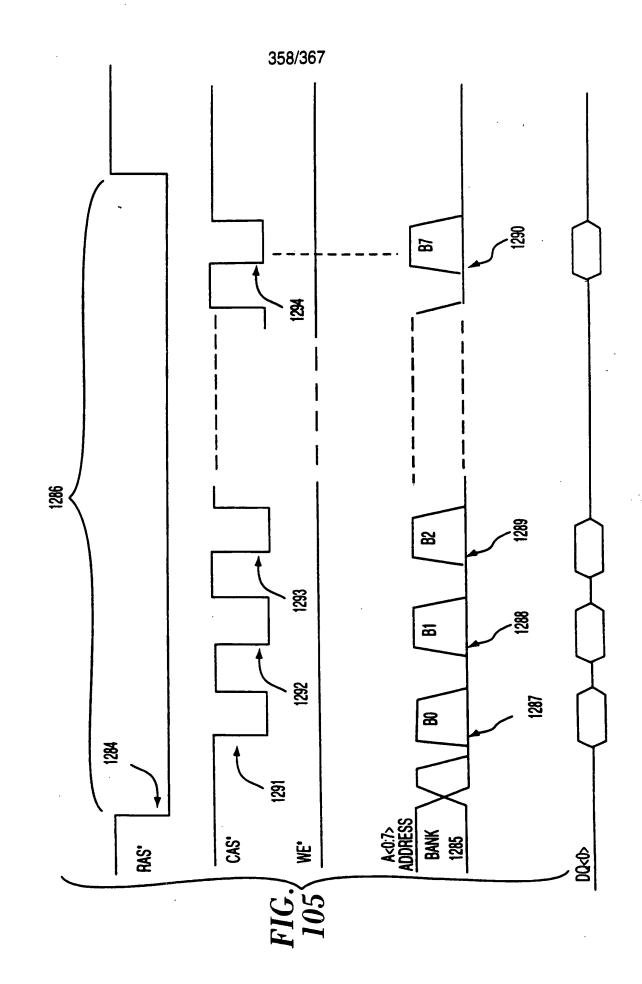


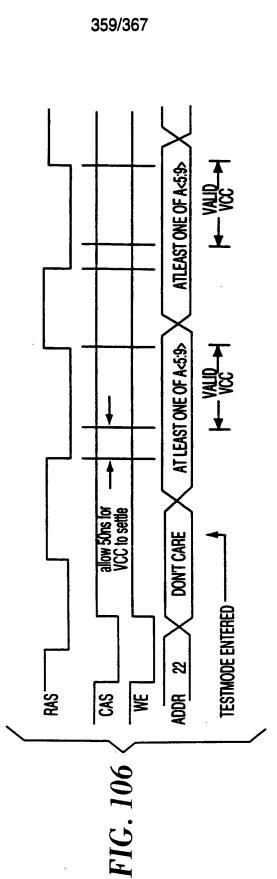
FIG. 102J

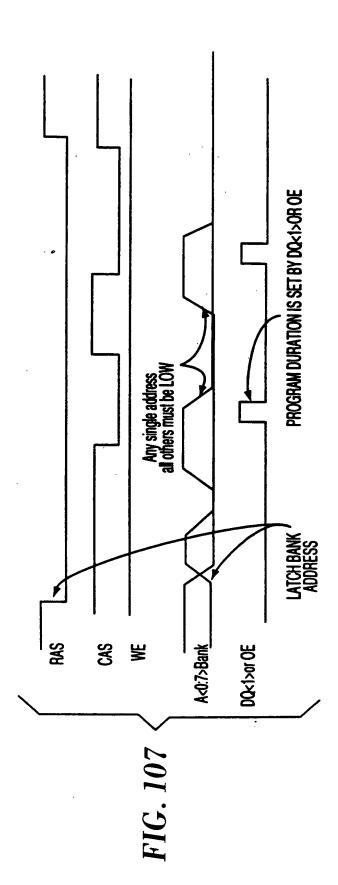












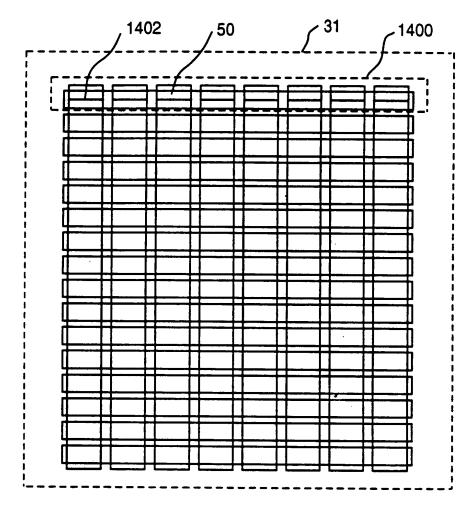


FIG. 108

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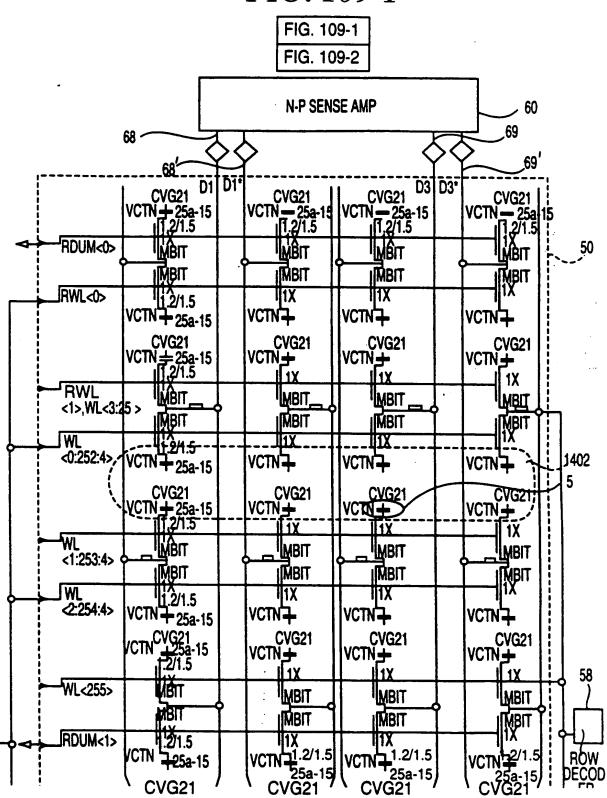
ROW

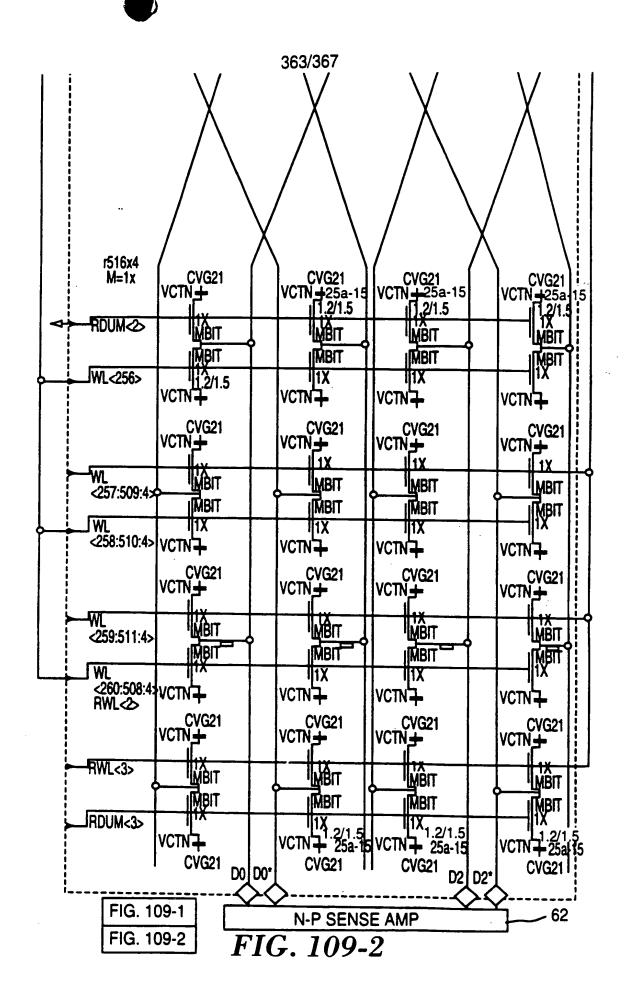
DECOD

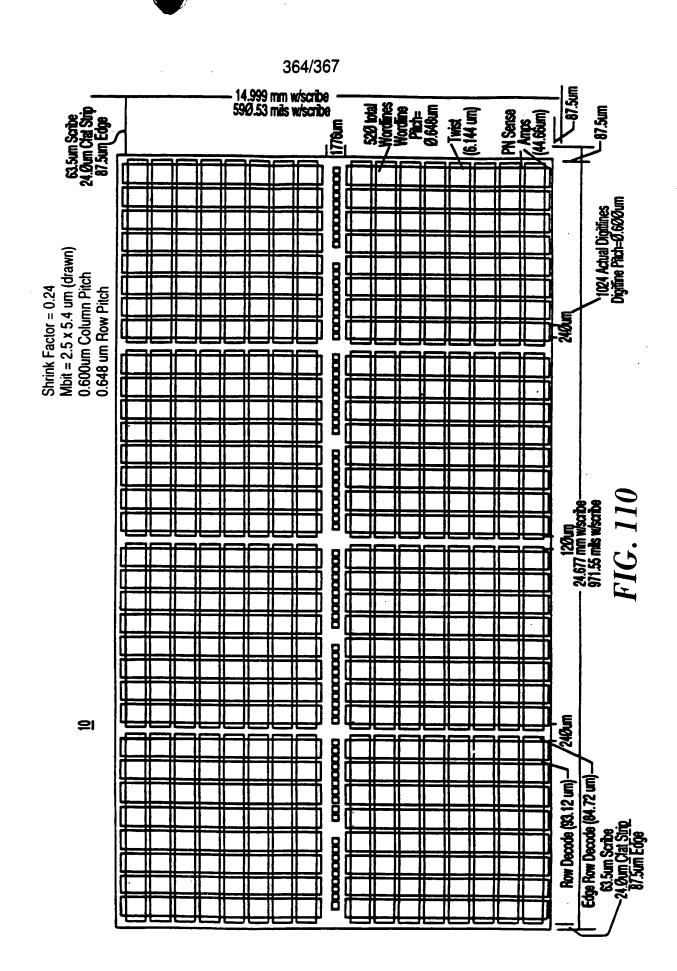
-ER

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FIG. 109-1









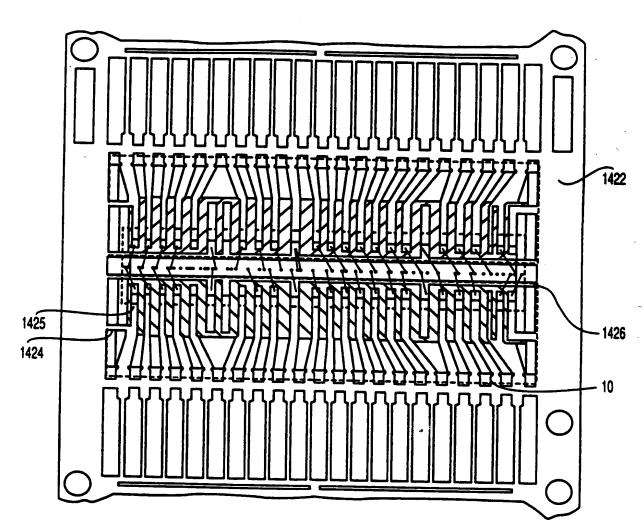


FIG. 111

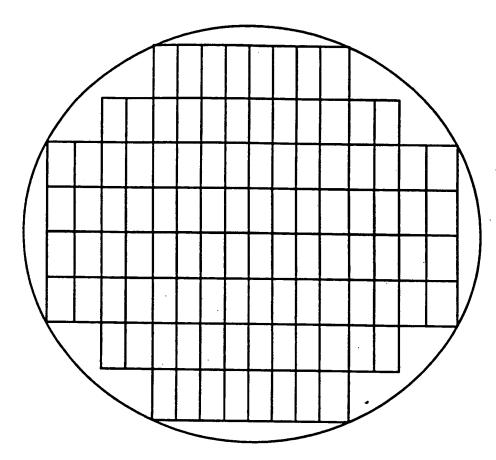


FIG. 112

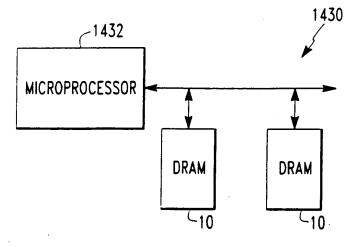


FIG. 113